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THE
MELBOURNE
University Calendar

1894



Melbourne
PRINTED FOR THE UNIVERSITY
BY GEORGE ROBERTSON & CO
PUBLISHED FOR THE UNIVERSITY
BY MELVILLE, MULLEN & SLADE, COLLINS STREET
BOOKSELLERS TO THE UNIVERSITY
AND
BY GEORGE ROBERTSON & CO., LITTLE FLINDERS STREET
1893

PRESENTED BY
✦ THE COUNCIL ✦
OF THE
University of Melbourne.


Chancellor.

LG
902

THE
MELBOURNE

4499

University Calendar

1894



Melbourne
PRINTED FOR THE UNIVERSITY
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1893

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CALENDAR.

1894.

JANUARY XXXI.

1	M
2	TU
3	W
4	TH
5	F
6	S
7	S
8	M
9	TU
10	W
11	TH
12	F
13	S
14	S
15	M
16	TU
17	W
18	TH
19	F
20	S
21	S
22	M
23	TU
24	W
25	TH
26	F
27	S
28	S
29	M
30	TU
31	W

Act of Incorporation of the University received the Royal Assent, 1853.

FEBRUARY XXVIII.

1894.

1	TH	
2	F	
3	S	
4	S	
5	M	Council meeting. Last day of entry for Final Honour Examinations and Examinations for Higher Degrees.
6	TU	
7	W	
8	TH	
9	F	
10	S	
11	S	
12	M	
13	TU	
14	W	
15	TH	
16	F	
17	S	
18	S	
19	M	
20	TU	
21	W	
22	TH	
23	F	On or before this day the Fees for the Lectures of the First Term must be paid.
24	S	
25	S	
26	M	Final Honour Examinations and Examinations for Higher Degrees commence.
27	TU	
28	W	Long Vacation ends.

1894.

MARCH XXXI.

1	TH	First Term begins. Lectures begin for the year. Essays for the Bowen Prize must be sent in on or before this day.
2	F	Opening of the Medical School, 1862. Council meeting.
3	S	
4	S	
5	M	
6	TU	
7	W	
8	TH	The Queen's Letters Patent granted to the University, 1859.
9	F	
10	S	
11	S	
12	M	
13	TU	
14	W	
15	TH	Annual Commencement and conferring of Degrees.
16	F	
17	S	
18	S	
19	M	
20	TU	
21	W	
22	TH	Good Friday. Easter Recess begins. Easter Sunday. Easter Monday. Easter Recess ends. Lectures resumed.
23	F	
24	S	
25	S	
26	M	
27	TU	
28	W	
29	TH	
30	F	
31	S	

APRIL XXX.

1894.

1	S	Council meeting.
2	M	
3	TU	
4	W	
5	TH	Last day of entry for the May Matriculation Examination.
6	F	
7	S	
8	S	Council of the University appointed, 1853.
9	M	
10	TU	
11	W	
12	TH	First Matriculation in the University, 1855.
13	F	
14	S	
15	S	
16	M	
17	TU	
18	W	
19	TH	
20	F	
21	S	
22	S	
23	M	
24	TU	
25	W	
26	TH	
27	F	
28	S	
29	S	
30	M	

1894.

MAY XXXI.

During this month the Professorial Board will select the subject for the Bowen Essay for the ensuing year, and recommend Examiners for appointment by the Council.

1	TU	First Session of Senate begins.
2	W	
3	TH	Council meeting. May Matriculation Examination begins.
4	F	
5	S	
6	S	
7	M	
8	TU	
9	W	
10	TH	First Vacation begins.
11	F	
12	S	
13	S	
14	M	
15	TU	
16	W	
17	TH	
18	F	
19	S	
20	S	
21	M	
22	TU	
23	W	
		On or before this day the Fees for the Lectures of the Second Term must be paid.
		First Vacation ends.
24	TH	Second Term begins. Queen Victoria born, 1819. University Holiday.
25	F	
26	S	
27	S	
28	M	
29	TU	
30	W	
31	TH	

JUNE XXX.

1894.

**During this month the Council will appoint Examiners
for the Matriculation and Annual Examinations.**

1	F	Council meeting.
2	S	
3	S	
4	M	
5	Tu	
6	W	
7	Th	
8	F	
9	S	
10	S	
11	M	
12	Tu	
13	W	
14	Th	Senate constituted, 1867.
15	F	Accession of Queen Victoria, 1837
16	S	
17	S	
18	M	
19	Tu	
20	W	
21	Th	
22	F	
23	S	
24	S	
25	M	
26	Tu	
27	W	
28	Th	
29	F	
30	S	

1894.

JULY XXXI.

1	S	First meeting of the Senate, 1867. Council meeting. Foundation Stone of the University of Melbourne laid, 1854.
2	M	
3	Tu	
4	W	
5	Th	
6	F	
7	S	
8	S	
9	M	
10	Tu	
11	W	Second Term ends.
12	Th	
13	F	
14	S	
15	S	
16	M	
17	Tu	
18	W	
19	Th	Second Vacation begins. On or before this day the Fees for the Lectures of the Third Term must be paid.
20	F	
21	S	
22	S	
23	M	
24	Tu	
25	W	
26	Th	
27	F	
28	S	
29	S	
30	M	
31	Tu	

AUGUST XXXI.

1894.

1	W	Calendar published on this day. Office of Warden becomes vacant. Second Vacation ends.
2	TH	Third Term begins. Council meeting.
3	F	
4	S	
5	S	
6	M	
7	TU	
8	W	
9	TH	
10	F	
11	S	
12	S	
13	M	
14	TU	
15	W	
16	TH	
17	F	
18	S	
19	S	
20	M	
21	TU	
22	W	
23	TH	
24	F	
25	S	
26	S	
27	M	
28	TU	
29	W	
30	TH	
31	F	

1894.

SEPTEMBER XXX.

1	S	Council meeting.
2	S	
3	M	
4	TU	
5	W	
6	TH	
7	F	
8	S	
9	S	
10	M	
11	TU	
12	W	Last day of entry for the October Annual Examination.
13	TH	
14	F	
15	S	
16	S	
17	M	
18	TU	
19	W	
20	TH	
21	F	
22	S	
23	S	
24	M	
25	TU	
26	W	
27	TH	Third Term ends. Third Vacation begins.
28	F	
29	S	
30	S	

OCTOBER XXXI.

1894.

1	M	Council meeting. Second Session of Senate begins. University Buildings opened, 1855.
2	TU	
3	W	
4	TH	
5	F	
6	S	
7	S	
8	M	
9	TU	
10	W	
11	TH	
12	F	
13	S	
14	S	
15	M	Fourth or Examination Term begins. October Annual Examination begins, comprising Pass Examinations other than those for Higher Degrees and Honour Examinations other than Final.
16	TU	
17	W	
18	TH	
19	F	
20	S	
21	S	
22	M	Last day of entry for the November Matricu- lation Examination.
23	TU	
24	W	
25	TH	
26	F	
27	S	
28	S	
29	M	
30	TU	
31	W	

1894.

NOVEMBER XXX.

1	TH	
2	F	
3	S	
4	S	
5	M	Council meeting. Returns of the October Annual Examination must be posted on or before this day.
6	TU	
7	W	
8	TH	
9	F	Prince of Wales born, 1841. University Holiday.
10	S	
11	S	
12	M	Conferring of Degrees. Last day of entry for the December Annual Examination.
13	TU	
14	W	
15	TH	
16	F	
17	S	
18	S	
19	M	
20	TU	
21	W	
22	TH	
23	F	
24	S	
25	S	
26	M	November Matriculation Examination begins.
27	TU	
28	W	
29	TH	
30	F	

DECEMBER XXXI.

1894.

During this month the Council will appoint the Lecturers for the ensuing year.

1	S	
2	S	
3	M	Council meeting. December Annual Examination begins.
4	TU	
5	W	
6	TH	
7	F	
8	S	
9	S	
10	M	
11	TU	
12	W	
13	TH	
14	F	
15	S	
16	S	
17	M	
18	TU	
19	W	
20	TH	
21	F	
22	S	Conferring of Degrees.
23	S	
24	M	Fourth or Examination Term ends. Christmas Day. Long Vacation begins.
25	TU	
26	W	
27	TH	
28	F	
29	S	
30	S	
31	M	

The University of Melbourne.

1893-94.

VISITOR.

HIS EXCELLENCY THE GOVERNOR.

THE COUNCIL.

CHANCELLOR.

SIR ANTHONY COLLING BROWNLESS, K.C.M.G., M.D., LL.D.
Appointed by the Governor-in-Council, 16th June, 1885.

VICE-CHANCELLOR.

SIR JOHN MADDEN, B.A., LL.D.
Elected by the Senate, 9th April, 1879; 10th November, 1885; 24th January, 1891.

MARTIN HOWY IRVING, M.A. Elected 6th April, 1875.

ALEXANDER MORRISON, M.A., LL.D. Elected 4th July, 1878.

ROBERT LEWIS JOHN ELLERY, C.M.G., F.R.S., F.R.A.S. Elected 24th February, 1880.

GERALD HENRY FETHERSTON, M.D. Elected 1st March, 1881.

JOHN HENRY MACFARLAND, M.A., LL.D. Elected 23rd March, 1886; 10th April, 1891.

ANDREW HARPER, M.A. Elected 6th April, 1886; 27th April, 1891.

MR. JUSTICE A'BECKETT. Elected 10th January, 1887; 19th February, 1892.

HENRY BOURNES HIGGINS, M.A., LL.B. Elected 3rd May, 1887; 23rd May, 1892.

THOMAS FRANCIS BRIDE, LL.D. Elected 7th June, 1887; 30th June, 1892.

THE BISHOP OF MELBOURNE. Elected 5th July, 1887; 25th July, 1892.

ROBERT MURRAY SMITH, C.M.G. Elected 22nd November, 1887; 9th December, 1892.

JOHN GRICE, B.A., LL.B. Elected 8th May, 1888; 25th May, 1893.

CHARLES ALFRED TOPP, M.A., LL.B. Elected 23rd June, 1890.

WILLIAM THWAITES, M.A., C.E. Elected 21st October, 1890.

MR. JUSTICE HOOD, M.A. Elected 17th October, 1891.

JOHN WILLIAMS, M.D. Elected 5th May, 1892.

JAMES JACKSON, M.D. Elected 21st February, 1893.

SIR HENRY JOHN WRIXON, K.C.M.G., M.A. Elected 5th April, 1893.

Ex-CHANCELLORS.

SIR REDMOND BARRY. From 17th May, 1853, to 23rd November, 1880.
 SIR WILLIAM STAWELL. From 2nd May, 1881, to 8th May, 1882.
 THE RIGHT REV. DR. MOORHOUSE. From 7th July, 1884, to 1st
 February, 1886.
 THE HON. DR. HEARN. From 3rd May to 4th October, 1886.

Ex-VICE-CHANCELLORS.

THE RIGHT HON. H. C. E. CHILDERS. From 17th May, 1853, to 12th
 March, 1857.
 THE HON. WILLIAM CLARK HAINES. From 15th May, 1857, to 31st
 May, 1858.
 SIR ANTHONY COLLING BROWNLESS. From 31st May, 1858, to 4th
 April, 1887.
 PROFESSOR IRVING. From 2nd May, 1887, to 27th May, 1889.

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CONSISTING OF ALL MALE PERSONS ADMITTED TO THE DEGREE OF
 DOCTOR OR MASTER.

WARDEN—THOMAS PATRICK MCINERNEY, M.A., LL.D.

Ex-WARDENS.

THE REV. DR. BROMBY. From 16th July, 1867, to 8th August, 1868.
 THE HON. DR. HEARN. From 8th August, 1868, to 24th August, 1875.
 SIR JOHN MADDEN. From 24th August, 1875, to 14th September, 1882.
 MR. ANDREW HARPER. From 14th September, 1882, to 13th May, 1886.
 MR. CHARLES ALFRED TOPP. From 13th May, 1886, to 12th Septem-
 ber, 1890.

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Law:—

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MARTIN HOWY IRVING, M.A. Resigned 1871.

HERBERT AUGUSTUS STRONG, M.A. Resigned 11th
August, 1884.

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WILLIAM EDWARD HEARN, LL.D. Resigned 1873.

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JOHN DRUMMOND KIRKLAND, M.B., B.S. Died 22nd
October, 1886.

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WILLIAM PARKINSON WILSON, M.A. Died Dec., 1874.

Dean of the Faculty of Law:—

WILLIAM EDWARD HEARN, LL.D. Died 23rd April, 1888.

Natural Philosophy:—

HENRY MARTYN ANDREW, M.A. Died 18th September,
1888.

Law:—

EDWARD JENKS, M.A. Resigned 31st January, 1892.

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(Lincoln's Inn).

ASSISTANT REGISTRAR.

JOHN FREDERIC CHASE JAMES.

LIBRARIAN.

EDWARD HIPPIUS BROMBY, M.A.

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FREDERICK THOMAS JAMES DICKSON

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PROFESSOR MORRIS. | MR. D. PATERSON.

French Language and Literature:—

PROFESSOR MORRIS. | DR. DOBSON.

German Language and Literature:—

PROFESSOR MORRIS. | MR. A. F. MORRISON.

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PROFESSOR NANSON. | MR. MICHELL.

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PROFESSOR LAURIE. | MR. J. E. MACKEY.

Natural Science, including Systematic Botany:—

PROFESSOR MCCOY. | MR. CRESSWELL.

Biology:—

PROFESSOR SPENCER. | DR. DENDY.

Natural Philosophy:—

PROFESSOR LYLE. | MR. LOVE.

Chemistry and Metallurgy:—

PROFESSOR MASSON. | MR. KIRKLAND.

Physiology and Physiological Chemistry and Histology:—

PROFESSOR HALFORD. | DR. BARRETT.

Descriptive and Surgical Anatomy and Regional and Applied Anatomy:—

PROFESSOR ALLEN. | MR. F. D. BIRD.

Pathology:—

PROFESSOR ALLEN. | DR. MOORE.

Materia Medica, Medical Botany and Elementary Therapeutics:—

DR. GRANT. | DR. BENNIE.

Therapeutics, Dietetics, and Hygiene:—

DR. SPRINGTHORPE. | DR. SNOWBALL.

Obstetric Medicine and Diseases of Women and Children:—

DR. BALLS-HEADLEY. | DR. ROWAN.

Theory and Practice of Medicine:—

DR. JAMIESON. | DR. WILLIAMS.

Forensic Medicine and Psychological Medicine:—

DR. NEILD. |

Surgery :—

MR. GIRDLESTONE.		MR. C. S. RYAN.
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Surveying and Levelling :—

MR. T. W. FOWLER.		MR. B. A. SMITH.
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Advanced Surveying, Mechanical Drawing, and Descriptive Geometry :—

PROFESSOR KERNOT.		MR. T. W. FOWLER.
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Applied Mechanics :—

PROFESSOR KERNOT.		PROFESSOR WARREN.
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Civil Engineering, Part I. :—

PROFESSOR KERNOT.		MR. J. B. LEWIS.
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Civil Engineering, Part II. :—

PROFESSOR KERNOT.		MR. J. B. LEWIS.
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Drawing and Quantity Surveying :—

PROFESSOR KERNOT.		MR. J. T. N. ANDERSON.
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Hydraulic Engineering :—

MR. B. A. SMITH.		MR. T. W. FOWLER.
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Mechanical Engineering :—

MR. J. T. N. ANDERSON.		PROFESSOR WARREN.
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Architecture :—

MR. A. M. HENDERSON.		MR. G. WIGHT.
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Mining :—

MR. W. NICHOLAS.		
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Jurisprudence :—

PROFESSOR MOORE.		MR. C. J. Z. WOINARSKI.
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Roman Law :—

PROFESSOR MOORE.		DR. MCINERNEY.
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Constitutional and Legal History :—

PROFESSOR MOORE.		MR. J. H. SHAW.
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International Law :—

PROFESSOR MOORE.		MR. C. J. Z. WOINARSKI.
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Law of Obligations :—

MR. CUSSEN.		DR. DOBSON.
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Law of Property :—

MR. GREGORY.		MR. ROGERS.
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Law of Wrongs :—

DR. DOBSON.		MR. CUSSEN.
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The Doctrines of Equity and the General Principles of Procedure :—

MR. ROGERS		MR. GREGORY.
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Music :—

PROFESSOR MARSHALL-HALL (Sole Examiner).		
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EXAMINERS—MATRICULATION EXAMINATION.

Boards.	Subjects.	First Examiner.	Second Examiner.	Third Examiner.
A.	{ GREEK - - -	PROF. TUCKER	MR. IRVING - -	MR. TUBBS.
	{ LATIN - - -	MR. TUBBS - -	MR. IRVING - -	PROF. TUCKER.
	{ ALGEBRA - - -	PROF. NANSON	MR. SUTHERLAND -	PROF. LYLE
C.	{ GEOMETRY - - -	MR. SUTHERLAND -	PROF. LYLE - -	PROF. NANSON.
	{ ARITHMETIC - - -	PROF. LYLE - -	PROF. NANSON - -	MR. SUTHERLAND.
	{ ENGLISH - - -	PROF. MORRIS -	MR. PATERSON -	PROF. ELKINGTON.
D.	{ HISTORY - - -	PROF. ELKINGTON -	MR. BOYD - -	PROF. MORRIS.
	{ GEOGRAPHY - - -	MR. MACKAY - -	PROF. ELKINGTON -	MR. PATERSON.
	{ FRENCH - - -	DR. WILD - -	MR. MORRISON -	PROF. MORRIS.
E.	{ GERMAN - - -	MR. MORRISON -	DR. WILD - -	PROF. MORRIS.
	{ CHEMISTRY - - -	PROF. MASSON -	PROF. LYLE - -	MR. LOVE
	{ PHYSICS - - -	MR. LOVE - -	PROF. LYLE - -	PROF. MASSON.
F.	{ PHYSIOLOGY - - -	DR. BARRETT - -	PROF. MCCOY - -	DR. DENDY.
	{ BOTANY - - -	DR. DENDY - -	PROF. MCCOY - -	DR. BARRETT.
G.	MUSIC - - -	PROF. MARSHALL-HALL (Sole Examiner).		

DEGREE OF MASTER OF ARTS.

EXAMINERS.

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Subjects.	Examiners.
A. CLASSICS AND COMPARATIVE PHILOLOGY -	PROF. TUCKER and MR. TUBBS.
B. HISTORY, POLITICAL ECONOMY, AND JURIS- PRUDENCE—	PROF. ELKINGTON and MR. A. M. BOYD. PROF. MOORE and MR. C. J. Z. WOJNARSKI.
C. LOGIC AND PHILOSOPHY -	PROF. LAURIE and MR. J. E. MACKAY.
D. MATHEMATICS -	PROF. NANSON and MR. MICHELL.
E. MODERN LANGUAGES AND LITERATURE—	
ENGLISH -	PROF. MORRIS and MR. D. PATERSON.
FRENCH -	PROF. MORRIS and DR. DOBSON.
GERMAN -	PROF. MORRIS and MR. A. F. MORRISON.

DEGREE OF DOCTOR OF LAWS (Old Regulations).

Subjects.	Examiners.
ROMAN LAW	PROF. MOORE and DR. MCINERNEY.
JURISPRUDENCE	PROF. MOORE and MR. C. J. Z. WOJNARSKI.
THE PRINCIPLES OF LEGISLATION	PROF. MOORE and MR. J. H. SHAW.

DEGREE OF DOCTOR OF MEDICINE.

LOGIC	PROF. LAURIE and MR. J. E. MACKEY.
PHYSIOLOGY OF THE BRAIN AND NERVOUS SYSTEM	PROF. HALFORD and DR. MAUDSLEY.
MENTAL PATHOLOGY, MENTAL THERAPEUTICS, AND MENTAL HYGIENE	DR. FISHBOURNE and DR. MOOREY.
MEDICINE	DR. JAMIESON and DR. WILLIAMS.
COMMENTARIES ON CASES IN OBSTETRIC MEDICINE AND DISEASES OF WOMEN AND CHILDREN	DR. BALLS-HEADLEY and DR. ROWAN.

DEGREE OF MASTER OF SURGERY.

Subjects.	Examiners.
LOGIC - - -	PROF. LAURIE and MR. J. E. MACKEY.
SURGERY, SURGICAL OPERATIONS ON THE DEAD SUBJECT, THE PRACTICAL USE OF SURGICAL APPARATUS - -	MR. GIRDLESTONE and MR. C. S. RYAN.
SURGICAL ANATOMY - - -	PROF. ALLEN and MR. F. D. BIRD.
SURGICAL PATHOLOGY - - -	PROF. ALLEN and DR. CHERRY.

DEGREE OF MASTER OF CIVIL ENGINEERING.

1. SURVEYING AND LEVELLING - - -	MR. T. W. FOWLER and MR. B. A. SMITH.
2. ROAD AND BRIDGE CONSTRUCTION AND MAINTENANCE - - -	PROF. KERNOT and MR. J. B. LEWIS.
3. CONSTRUCTION AND MAINTENANCE OF RAILWAYS	PROF. KERNOT and MR. T. W. FOWLER.
4. HYDRAULIC AND SANITARY ENGINEERING, INCLUDING IRRIGATION - -	MR. B. A. SMITH and MR. T. W. FOWLER.
5. MINING ENGINEERING - - -	Mr. W. NICHOLAS.
6. ARCHITECTURE - - -	MR. A. M. HENDERSON and MR. G. WIGHT.
7. MECHANICAL ENGINEERING - - -	MR. J. T. N. ANDERSON and PROF. WARREN.

The University of Melbourne.

STATUTES AND REGULATIONS

AS IN THE CALENDAR, 1893, WITH AMENDMENTS
SPECIFIED IN THE APPENDIX TO THE ANNUAL
REPORT OF 1892-93—SEE PAGE 158.

DETAILS OF SUBJECTS.

MATRICULATION EXAMINATION.

SUBJECTS AND DETAILS.

1. The subjects of Examination shall be—

- (1) Greek
- (2) Latin
- (3) Algebra
- (4) Geometry (and Trigonometry)
- (5) English
- (6) History
- (7) French
- (8) German
- (9) Arithmetic
- (10) Geography.

Any two but not more than two of the following :—

- (11) Chemistry
- (12) Physics
- (13) Physiology
- (14) Botany
- (15) Music.

2. The details of these subjects shall be—

(1.)—GREEK.*

Pass.—One book of Xenophon's *Anabasis*: Translation of short easy sentences from English into Greek prose as a test of grammatical knowledge: Translation of an easy passage from some Attic prose book not prescribed for the Examination: Such a knowledge of Accidence and the leading Rules of Syntax as the preceding sections involve.

Honours.—One of the easier Greek plays, together with a book of Thucydides or an equal portion of Plato: Translation from English into Greek prose: Translation from Greek at sight.

* For text books see page 35.

(2.)—LATIN.*

Pass.—One book of Vergil's *Æneid* and one book of *Cæsar* (or their equivalent): Translation into English of easy passages of Latin, from books not prescribed for the Examination: Translation into Latin prose of easy passages of English: Accidence and the leading Rules of Syntax.

Honours.—The work prescribed for the *Pass*: A book of *Livy* and a book of *Horace's Odes* (or their equivalent): Translation from English into Latin Prose: Translation from Latin at sight.

(3.)—ALGEBRA.

Pass.—Not more than is contained in *Todhunter's Smaller Algebra*, chapters 1 to 28 inclusive.

Honours.—Not more than is contained in *Todhunter's Larger Algebra*, up to and including the *Binomial Theorem*.

(4.)—GEOMETRY.

Pass.—The substance of *Euclid*, Books I. II. III. Three propositions shall be set from each book, and any five correctly done shall entitle a Candidate to *pass*.

Honours.—The substance of *Euclid*, Books I.–VI.: *Trigonometry* not more than is contained in *Todhunter's Larger Trigonometry*, chapters i.–xvii., omitting chapters ix. and xii.

(5.)—ENGLISH.*

Pass.—Parsing and Analysis: Grammar: Composition: Selections from English Literature, not earlier in date than *Milton*—viz., Poetry, about 1,000 lines, of which not more than 250 shall be prescribed for learning by heart; and Prose, an amount not exceeding ten numbers of the *Spectator*.

Honours.—A more advanced examination in the work prescribed for the *Pass*, including an original essay: A Play of *Shakespeare*, with ten Essays of *Bacon* (or an equivalent), to be studied critically and philologically, with a general reference to the growth of the language.

* See note on preceding page.

(6.)—HISTORY.

Pass.—Any two of the following four portions of Elementary History, together with the illustrative Geography :—

- (1) England,* (a) From the earliest times to the Revolution ; (b) From the Revolution to the Suppression of the Indian Mutiny. In alternate academic years.
- (2) Rome, from the earliest times to the Social War.
- (3) Greece, from the earliest times to the death of Alexander.
- (4) Europe, from the coronation of Charlemagne to the Battle of Waterloo.

Honours.—The History of England, with that of foreign nations so far as connected therewith : The History of Rome, and that of Greece, as prescribed for the Pass.

(7.)—FRENCH.

Pass.—Translation into English of easy passages of French ; Translation into French Prose of easy passages of English : Accidence and the leading Rules of Syntax.

Honours.—A more advanced examination, including passages from French authors, from Corneille to the present day : The history of the derivation of the language from Latin : French composition.

(8.)—GERMAN.

Pass.—Translation into English of easy passages of German : Translation into German Prose of easy passages of English : Accidence and the leading Rules of Syntax.

Honours.—A more advanced examination, including passages from German authors, from Lessing to the present day : German composition.

(9.)—ARITHMETIC.

Not more than is contained in Hamblin Smith's Arithmetic.

* Period (a) is that prescribed for the Examination at the end of 1893, and the next succeeding Examination. Period (b) is that prescribed for the Examination at the end of 1894, and the next succeeding Examination.

(10.)—GEOGRAPHY.

The outlines of Physical and Political Geography : The Geography of the British Empire in moderate detail ; Drawing and filling in of an outline map of England, Scotland, Ireland, or any continent.

(11.)—PHYSICS.

All candidates should pay particular attention to the principle of the Conservation of Energy as illustrated in the various branches of Physics.

Pass.—Candidates for *Pass* will be examined in Sections (a) and (b).

Honours.—Candidates for *Honours* will be examined in Sections (a), (b), and (c).

- (a) Fundamental units of Length, Time, and Mass required for the measurement of all physical quantities. Definition and measurement of Velocity, Momentum, Acceleration, Force. Newton's Laws of motion. Energy, Work, Principle of Work. Definition and Explanation of Moment and Couple. Weight—Centre of Gravity, Stable and Unstable Equilibrium. Friction. Explanation of the simple machines by the foregoing principles. Properties of Matter—Indestructibility, Inertia, Porosity, Cohesion. Characteristics of Solids, Liquids, and Gases. Fluid Pressure—Bramah Press, Syphon, Jet Pump. Atmospheric Pressure—Barometer, Water Pump. Boyle's Law—Air Pump. Archimedes' principle—Definition and Measurement of Density and Specific Gravity.

The above subjects are to be treated as far as possible in an experimental way, and nothing that involves a knowledge of Trigonometry will be required for a *Pass*.

- (b) The General Effects of Heat. Temperature, Thermometry. Expansion of Solids, Liquids, and Gases. Maximum Density of Water. Laws of Fusion and Evaporation, Latent Heat, Melting and Boiling Points, Freezing Mixtures. Diffusion of Heat by Conduction, Convection, and Radiation. Formation of Dew. Specific Heat—Calorimetry. Mechanical Equivalent of Heat. Efficiency of an Engine.

- (c) **Laws of Electric Action, Torsion Balance. Conduction. Induction. Electric Potential—Capacity. General Distribution of Electricity on Conductors, Power of Points. Electrophorus, Plate Machine. Electroscopes. Electric Discharges. Electric Condensers. Laws of Magnetic Action. Magnetic Induction. Methods of Magnetization. Terrestrial Magnetism—(Dip and Declination). Electricity due to Chemical Action. Simple Galvanic Cell, Polarization, Local Action. Current, Electro-motive Force, Resistance, Ohm's Law. Daniell's, Grove's, and Leclanche's Cells. Magnetic Actions of the Current, Astatic and Tangent Galvanometers. Chemical Actions of the Current, Electrolysis. Heat and Light derived from the Electric Current. Electro-magnets. Telegraphs—(Needle, Morse).**

(12).—CHEMISTRY.

Pass.—Such knowledge of the laws, facts, and theory of Chemistry, of chemical methods of inquiry, and of chemical notation and arithmetic as can be gained by a study of the following elements, their occurrence, preparation, properties, and their more important compounds with one another:—Hydrogen, Oxygen, Nitrogen, Carbon, Chlorine, Sulphur, Phosphorus, Silicon, Sodium, Potassium, Calcium; and other elements only in so far as they are necessarily involved in the study of the foregoing (*e.g.*, Mercury, involved in the preparation of Oxygen, or Zinc in that of Hydrogen).

Honours.—The *Pass* work, together with such further knowledge as can be gained from a study of the chemistry of the following elements and their chief compounds:—Fluorine, Bromine, Iodine, Magnesium, Zinc, Aluminium, Iron, Chromium, Manganese, Copper, Mercury, Silver, Gold, Platinum, Lead, Tin, Arsenic, Antimony.

(13).—PHYSIOLOGY.

Pass Work.—The amount of knowledge and mode of treatment will be such as may be found in the latest edition of Huxley's *Lessons*, chapters i.-ix. and chapter xi.

Additional for Honours.—The amount of knowledge and mode of treatment such as may be found in the latest edition of Huxley's *Lessons*

The minute histological structure of the following :—

Liver, Kidney, Stomach, Intestine, Lung, Cartilage, Connective Tissue, Bone, Muscle, Nerve Trunk, Nerve Centre. The recognizing of prepared specimens of one or more of the above.

The comparative methods of Digestion, Circulation, and Respiration in Fishes, Amphibians, and Mammals, in outline.

In both Pass and Honour work the drawing of rough sketches illustrative of answers will be required.

(14.)—BOTANY.

November, 1893, and May, 1894.

Pass Work.—The structure and life history of a Phanerogamic plant, such as *Leptospermum*. The structure and life history of a fern, such as *Pteris*. The structure and life history of a mould, such as *Mucor*. The characteristic features and distribution of the following orders of Australian plants :—(1) *Ranunculaceæ*, (2) *Rutaceæ*, (3) *Leguminosæ*, (4) *Myrtaceæ*, (5) *Proteaceæ*, (6) *Compositæ*, (7) *Epacridæ*, (8) *Liliaceæ*, (9) *Coniferæ*. The structure of the plant cell and of various forms of tissue. Absorption, Respiration, Transpiration, and Assimilation of plants. Fertilization of flowering plants.

Additional for Honours.—The characteristic features and distribution of the following orders of Australian plants :—(10) *Cruciferae*, (11) *Droseraceæ*, (12) *Casuarinæ*, (13) *Umbelliferae*, (14) *Santalaceæ*, (15) *Candolleaceæ*, (16) *Goodeniaceæ*, (17) *Labiatae*, (18) *Orchidaceæ*, (19) *Graminæ*, (20) *Polypodiaceæ*. The formation of tissues from cells. The structures and life histories of the following :—Yeast, *Protococcus*, *Bacillus*, and *Chara*. The dissection and naming the parts of some typical flowering plant.

In both Pass and Honour work the drawing of rough sketches, illustrative of answers, will be required.

November, 1894, and May, 1895.

Pass Work.—The structure and life history of the following types :—(1) *Protococcus* ; (2) a Mould, such as *Mucor* ; (3) *Spirogyra* ; (4) a Fern, such as *Pteris* ; (5) an Angiosperm, such as *Vicia*. The characteristic features and distribution of the following natural orders :—(1) *Ranunculaceæ*, (2) *Cruciferae*, (3) *Leguminosæ*, (4) *Myrtaceæ*, (5) *Umbelliferae*, (6) *Proteaceæ*, (7) *Compositæ*,

(8) Labiatae, (9) Epacrideae, (10) Liliaceae, (11) Gramineae. The Structure of the Vegetable Cell and various Forms of Vegetable Tissue. The Elementary Physiology of Plants. The Principal Modifications of Roots, Stems, Leaves, Flowers, and Fruits.

Additional for Honours.—The structure and life history of the following types :—(1) Bacillus, (2) Saccharomyces, (3) Marchantia, (4) Pinus. The characteristic features and distribution of the following natural orders :—(1) Dilleniaceae, (2) Droseraceae, (3) Rutaceae, (4) Euphorbiaceae, (5) Casuarineae, (6) Salsolaceae, (7) Santalaceae, (8) Rubiaceae, (9) Candolleaceae, (10) Goodeniaceae, (11) Orchideae, (12) Cyperaceae.

In both Pass and Honour work the drawing of rough sketches, illustrative of answers, will be required.

(15.)—MUSIC.

Pass.

ELEMENTS OF MUSIC.—All the details of the usual notation, including the G, C, and F Clefs. Intervals. Major and minor keys. Scales.

HARMONY.—The common chord and the chord of the dominant seventh, with their inversions. The harmonizing of simple melodies in four parts.

ELEMENTARY PIANOFORTE PLAYING.—Scales. Arpeggios. A slow and a quick movement from works of any of the following composers :—J. S. Bach, Emanuel Bach, Mozart, Schubert, Schumann, Brahms, Beethoven.

Additional for Honours.

HARMONY.—All kinds of concords and discords.

COUNTERPOINT.—All species of Simple Counterpoint in two and three parts.

3. The text books named for Examination in the subjects of Algebra Geometry Arithmetic and Physiology are not *prescribed* for Examination but are mentioned merely to indicate approximately the amount and kind of work expected of Candidates.

4. In the subjects of Arithmetic and Geography Pass papers only shall be set. In all other subjects Honour papers shall be set in addition to the Pass papers.

* *Books prescribed for November Examination, 1893, and May Examination, 1894.*

GREEK— *Pass.*

Xenophon—Anabasis, Book III. (Macmillan's Elementary Classics.)

Honours.

Euripides—Hercules Furens. (Pitt Press.)

Thucydides—Book II. (Macmillan's Classical Series.)

LATIN— *Pass.*

Vergil—Æneid, X. (Pitt Press.)

Cæsar—De Bello Gallico, VII. (Macmillan's Elementary Classics.)

Additional for Honours.

Horace—Odes, Book I. (Macmillan's Classical Series.)

Livy—Book II. (Greenough's edition.)

ENGLISH— *Pass.*

Addison—Sir Roger de Coverley: Essays from the *Spectator*, by David Salmon, chapters ix., x., xiii., xiv., xvi., xix., xx., xxii., xxv., xxvi.

Tennyson—Recollections of the Arabian Nights.

„ The Lotos-Eaters.

„ A Dream of Fair Women.

„ Ulysses.

„ Tithonus.

„ The Ode on the Death of the Duke of Wellington.

To be learnt by heart—Dream of Fair Women, 85-244 ; and Ulysses.

Additional for Honours.

Shakespeare—Henry V.

Bacon's Essays—Of Death ; Of Marriage and Single Life ; Of Empire ; Of Wisdom for a Man's Self ; Of the True Greatness of Kingdoms and Estates ; Of Suspicion ; Of Custom and Education ; Of Usury ; Of Anger ; Of Vicissitudes of Things.

BOTANY—Text book recommended :—

Dendy and Lucas—An Introduction to the Study of Botany.

By order of the Professorial Board,

EDWARD E. MORRIS,

29TH APRIL, 1892.

PRESIDENT.

* In the other subjects books are not prescribed.

36 MATRICULATION EXAMINATION—TEXT BOOKS.

**Books prescribed for November Examination, 1894, and May Examination, 1895.*

GREEK—

Pass.

Xenophon—Anabasis, IV. (Macmillan's Elementary Classics.)

Honours.

Æschylus—Prometheus Vincetus. (Cambridge Text.)

Thucydides—Book VIII. (Macmillan's Classical Series.)

LATIN—

Pass.

Vergil—Æneid, I. (Cambridge Text.)

Cæsar—De Bello Gallico, V. (Colbeck, in Macmillan's Elementary Classics.)

Additional for Honours.

Horace—Odes, III. (Page.)

Livy—Book XXI. (Macmillan's Classical Series.)

ENGLISH—

Pass.

Goldsmith—The Traveller, The Deserted Village, and Retaliation.

Helps—Essays Written in the Intervals of Business (Rowe and Webb), i.-v., viii.-xi., xv.

To be learnt by heart—Traveller, 239-266, 413 to end; Deserted Village, 1-62, 97-170; in Retaliation, the characters of Burke, Garrick, and Reynolds.

Additional for Honours.

Shakespeare—The Merchant of Venice.

Hallam—Introduction to the Literature of Europe. Part IV., chapter 5, section 3, and chapter 6, section 1 to par. 32.

BOTANY—Text book recommended :—

Dendy and Lucas—An Introduction to the Study of Botany.

By order of the Professorial Board,

EDWARD E. MORRIS,

10TH MAY, 1893.

PRESIDENT.

* In other subjects books are not prescribed.

RECOMMENDATIONS TO CANDIDATES IN GREEK AND LATIN.

In order to define as far as possible the precise scope of these University Examinations, and in answer to requests for advice as to text books, the Professor of Classics has thought it advisable to issue the following outline Syllabus, accompanied by certain recommendations (*which are not to be regarded as in any sense prescriptions*) of books.

THE MATRICULATION EXAMINATION.

GREEK (*Pass*) :—

- (a) *Accidence*.—Declension of nouns (regular and irregular), adjectives and pronouns; genders, comparison of adjectives and adverbs; conjugation of verbs in ω , μ , and contracted; paradigms of chief irregular verbs.

N.B.—This section is of essential importance.

- (b) *Syntax*.—The chief rules for concord, use of the article and pronouns, government of cases, leading distinctions of tenses and moods, conditional sentences, cases after prepositions.
- (c) *Composition*.—Easy sentences (direct and oblique) involving the above knowledge and a vocabulary of common words.

N.B.—Soundness of *accidence* and *concord* is essential.

- (d) Translation of easy unseen Attic prose passages involving the same knowledge differently tested.
- (e) *A Prepared Book*.—Literal translation within the limits of proper English. Thorough knowledge of grammatical constructions contained. Parsing of words and sentences. Knowledge of the subject matter and the circumstances of the work.

Books useful for *beginners* are :—"A First Greek Grammar," and "A First Greek Syntax," by W. G. Rutherford; "A First Greek Writer," by A. Sidgwick.

Books meeting all the requirements of sections *a*, *b*, *c*, are :—Goodwin's "Greek Grammar for Schools"; Arnold's "Greek Prose Composition," by E. Abbott.

For Honours :—

- (a) *Accidence*.—Thorough (for Attic Greek).

- (b) *Syntax*.—More advanced than for the pass.

N.B.—Specially recommended :—"A Syntax of Attic Greek," by F. R. Thompson.

- (c) *Composition*.—Prose passages of moderate ease.

N.B.—Specially recommended :—"Introduction to Greek Prose Composition," by A. Sidgwick.

- (d) Translation of unprepared passages.

- (e) Prepared books; attention to English style; grammatical and literary knowledge of the text.

LATIN (*Pass*) :—

- (a) *Accidence*.—Thorough.

N.B.—Especially recommended :—"The New Latin Primer" (Postgate), pp. 1-66 and 112-144.

N.B.—This section is of essential importance.

- (b) **Syntax.**—Chief rules for concord, government of cases, use of moods, sequence of tenses, conditional sentences.
N.B.—Especially recommended:—"The New Latin Primer" (Postgate), pp. 69-110.
- (c) **Composition.**—Easy passages of prose involving the knowledge specified above. Bradley's "Arnold" recommended. A "Matriculation Latin Exercise Book" by Mr. Workman (Melville, Mullen and Slade) will be found very suitable.
N.B.—*Soundness of accidence and concord is essential.*
- (d) Translation of easy passages of Latin from books not prescribed, testing the above knowledge in another way.
- (e) As in the Greek.

For Honours:—

More advanced work in each of the above sections *b, c, d, e*, "The New Latin Primer," thoroughly known, will be found sufficient for the purposes of sections *a* and *b*. For purposes of revision in section *c*, Abbott's "Latin Prose Through English Idiom" is a serviceable book.

THE ANNUAL EXAMINATIONS.

GREEK.—Part I. (*Pass*):—

- (a) **Accidence.**—Thorough (for Attic).
- (b) **Syntax.**—The chief rules. [These may be best defined from Thompson's "Syntax of Attic Greek," in which the main rules are headed with large sloping or italic letters, and the more advanced with upright and blacker type.]
- (c) **Translation from Classical Greek.** For the purposes of this examination, the intention is an unprepared passage or unprepared passages from the more easy portions of prose and verse writers in the Attic dialect. Candidates should practise themselves in frequent attempts to render (without dictionary or notes), passages of authors not prescribed, and should then verify and correct such renderings.
- (d) **Translation of passages of moderate ease into Greek prose.** Sidgwick's "Introduction to Greek Prose Composition" is recommended.

N.B.—*Soundness of accidence and concord is essential.*

- (e) **The Prescribed Books.**—Literal translation within the limits of proper English: knowledge of the usage of the words, and of the regular and irregular constructions involved; parsing of words and sentences; literary criticism; knowledge of historical, geographical, or technical matter properly connected with the subject.

LATIN.—Part I. (*Pass*):—

- (a) and (b) **Accidence and Syntax.**—As much as is contained in the "New Latin Primer" (Postgate).

(c) Translation from Classical Latin.—See directions for the corresponding section in Junior Greek.

(d) Translation into Latin Prose. — Recommended: Bradley's "Arnold," Abbott's "Latin Prose Through English Idiom."

Candidates are advised to render passages of Latin authors (Cicero, Livy, &c.), into idiomatic English, and, after some lapse of time, to re-translate them into Latin, and to verify and correct their production by means of the original.

(e) The Prescribed Books.—See directions for Greek, Part I.

GREEK—Part II. :—

The work is on the same lines as that for Junior Greek, but is somewhat more advanced in each section. The same book will suffice for composition. For Syntax the whole of Thompson's work is recommended. In the unprepared translation, the passages will not necessarily be taken from Attic writers. Goodwin's "Moods and Tenses" should be studied.

LATIN—Part II. :—

Generally more advanced than Part I, but on the same lines.

In all these examinations it must be borne in mind that no amount of excellence in the prescribed books can atone for a general failure in the other sections of the subject. The first essential is soundness of accidence and concords. No marks can be allotted to a composition or a translation which is disfigured throughout by mistakes in gender, number, case, and inflexion. A firm knowledge of the elementary grammar (as defined above) is the surest step towards success. With the above scheme before them, candidates should treat sections *a* and *b* as of first importance. On these their success with sections *c* and *d* will ultimately depend.

T. G. TUCKER,

PROFESSOR OF CLASSICS.

ARTS AND SCIENCE.

DETAILS OF SUBJECTS AND RECOMMENDATIONS FOR THE ANNUAL EXAMINATIONS TO BE HELD IN THE EXAMINATION TERM, 1894.

GREEK—PART I.—

Translation from Attic Greek.
Translation into Greek Prose.
Greek Accidence and Syntax.

Special Subjects of Examination.

Sophocles—Ajax.
Plato—Apology and Crito.

Additional for Honours.

Translation into Greek Verse.
Thucydides—Book VIII.
Aristophanes—Frogs.

LATIN—PART I.—

Translation from Classical Latin.
Translation into Latin Prose.
Latin Accidence and Syntax.

Special Subjects of Examination.

Vergil—Æneid XI.
Cicero—De Senectute, and In Caecilium Divinatio.

Additional for Honours.

Translation into Latin Verse.
Tacitus—Agricola and Germania.
Juvenal—Satires, 1, 2, 7, 10, 11.

GREEK—PART II.—

Translation from Classical Greek.
Translation into Greek Prose.
Greek Accidence and Syntax.

Special Subjects of Examination.

Thucydides—Book VIII.

Aristophanes—Frogs.

Additional for Honours.

Translation into Greek Verse.

Homer—Odyssey I.—IV.

Herodotus—Book I.

LATIN—PART II.—

Translation from Classical Latin.

Translation into Latin Prose.

Latin Accidence and Syntax.

Special Subjects for Examination.

Cicero—De Oratore I.

Plautus—Miles Gloriosus.

Additional for Honours.

Translation into Latin Verse.

Tacitus—Germania and Agricola.

Martial—Epigrams of Books I.—VI. in Stephenson's Selection.

GREEK (THIRD YEAR, GROUP A)—

Translation from Classical Greek.

Translation into Greek Prose.

Greek Accidence and Syntax.

Special Subjects of Examination.

Thucydides—Book VIII.

Aristophanes—Frogs.

Herodotus—Book I.

LATIN (THIRD YEAR, GROUP A)—

Translation from Classical Latin.

Translation into Latin Prose.

Latin Accidence and Syntax.

Special Subjects of Examination.

Tacitus—Agricola and Germania.

Plautus—Miles Gloriosus.

Cicero—De Oratore I.

Sallust—Catiline.

COMPARATIVE PHILOLOGY—

The general principles of Comparative Philology, and the Comparative Grammar of the Greek and Latin Languages.

The book chiefly recommended as accompaniment to the lectures is—

Victor Henry—Comparative Grammar of Greek and Latin. (Translated by Elliott.)

More complete information may be found in the books recommended for the Final Honours Examination.

ANCIENT HISTORY—

The Early History of Institutions.

The History of Greece.

The History of Rome.

Books recommended in addition to the various references to other works given in the Lectures :—

Hearn—Aryan Household, ch. 1-14.

Ramsay—Roman Antiquities, ch. 2-8.

Grote—History of Greece, Part I. ch. 16-21 ; Part II. ch. 1, 2, 6, 9-11, 28, 29, 31, 45, 46, 67, 68.

Mommsen—History of Rome, Book III. ch. 1-7 and 11-14 ; Book IV. ; Book V. ch. 1-6 and 11-12.

Merivale—History of the Romans under the Empire, ch. 31-33, 39, 40, and 44.

Smith's Student's Gibbon, ch. 1-28, omitting ch. 23 and 25.

Additional for Honours.

Freeman—Chief Periods of European History.

Mommsen—Provinces of the Roman Empire.

HISTORY OF THE BRITISH EMPIRE—PART I.—

The General History.

Books recommended in addition to the various references to other works given in the Lectures :—

Green—History of the English People, Vols. I., II., and III.

Additional for Honours.

Hallam—Constitutional History, ch. 1-12.

HISTORY OF THE BRITISH EMPIRE—PART II.—

A further treatment of the General History.

Books recommended in addition to the various references to other works given in the Lectures :—

Macauley—History of England.*

Lecky—History of the 18th Century.*

Lewis—Administrations of Great Britain.

Hallam—Constitutional History, ch. 16–18.

May—Constitutional History.

Seeley—Expansion of England.

Burton—History of Scotland

Richey—Short History of the Irish People

Hunter—Indian Empire

Jenks—The Government of Victoria

} So far as
treated
in the
Lectures.

POLITICAL ECONOMY—

Books recommended in addition to the various references to other works given in the Lectures :—

Hearn—Plutology.

Walker—Political Economy.

Marshall—Principles of Economics.*

Adam Smith—Wealth of Nations.*

Additional for Honours.

Bagehot—Economic Studies.

Mill—Political Economy, Books I. and V.

Mill—Logic, Book VI.

Spencer—Principles of Sociology, Part II.

Spencer—Study of Sociology.

ENGLISH—PART I.—

A Sketch of the History of the English Language, with the early part of Elementary Lessons on Historical English Grammar (R. Morris) as text book.

English Composition, with Professor Nichol's book as text book.

Shakespeare—King John.

The Tempest.

Gray—Poems.

Carlyle—On Heroes and Hero-Worship.

Emerson—Representative Men.

* The references given in Lectures.

* So far as treated in the Lectures.

Additional for Honours.

Chaucer—The Prologue, The Knight's Tale.
Piers the Plowman.

ENGLISH—PART II.—

Essay-Writing.

History of English Literature from the Earliest Times
to the birth of Wordsworth (1770).

Shakespeare—Coriolanus.

„ Cymbeline.

Tennyson—In Memoriam.

Browning—Pocket Volume of Selections, p. 145 to
the end.

M. Arnold—Essays in Criticism. First Series.

A. Helps—Friends in Council. First Series.

Additional for Honours.

Chaucer—Prioresses Tale volume. (Clarendon Press.)

Marlow—Dr. Faustus.

Shakespeare—Timon of Athens.

Carlyle—Past and Present.

FRENCH—

Translation at sight from English into French, and
from French into English.

Brachet—Historical Grammar.

Tableaux de la Révolution Française. (Putnam's Sons.)

Le Romantisme Français. (Putnam's Sons.)

Victor Hugo—Hernani.

Dumas—Les Demoiselles de Saint-Cyr.

History of French Literature since the Revolution.

Additional for Honours.

Toynbee's Specimens of Old French, p. 163 to the end.

GERMAN—

Translation at sight from English into German, and
from German into English.

Goethe—Götz von Berlichingen.

Schiller—Wallenstein's Lager.

„ Wallenstein's Tod.

Deutsche Lyrik. (Buchheim.)

Heine—Prosa.

Ebers—Die Frau Bürgermeisterin.

Additional for Honours.

Lessing—Nathan der Weise.

„ Wie die Alten den Tod gebildet.

Goethe—Faust, Part II., Act 3.

PURE MATHEMATICS—PART I.

Pass.

Geometry.—Euclid books I.–VI., and XI. 1–21, with simple deductions.

Algebra.—The fundamental operations; factors; fractions; simple and quadratic equations; simultaneous equations; simpler properties of equations; remainder theorem and its simpler applications; relations between the roots and coefficients; transformation of equations; simple eliminations; indices; surds; ratio, proportion, and variation; progressions; permutations and combinations; binomial theorem for positive integral exponents.

Trigonometry.—The relations between the trigonometrical ratios of one, two, and three angles; the use of logarithms; the relations between the sides and angles of a triangle; the solution of triangles; heights and distances; the properties of triangles.

Text books recommended :—

Euclid, Hall and Stevens.

Elementary Algebra, C. Smith.

Elementary Plane Trigonometry, Hobson and Jessop.

Honours.

Algebra, including elementary theory of equations.

Plane Trigonometry.

Elementary Analytical Geometry of two dimensions.

Elements of Differential and Integral Calculus.—The fundamental processes of differentiation and integration, successive and partial differentiation; the application of Taylor's and Maclaurin's theorems to the expansion of functions; maxima and minima of functions of one variable; the integration of explicit functions of one variable.

Students commencing this course should have read the subjects prescribed for honours in mathematics at Matriculation, together with Euclid XI. 1-21, and Geometrical Conics.

Text books recommended :—

Higher Algebra, Hall and Knight.
Plane Trigonometry, Todhunter and Hogg.
Conic Sections, C. Smith.
Differential Calculus, Edwards.
Integral Calculus, I. Todhunter.

PURE MATHEMATICS—PART II.

Pass.

Analytical Geometry.—Straight line, circle, parabola, ellipse, and hyperbola.

Differential Calculus.—The differentiation of functions of one and two independent variables ; Taylor and Maclaurin's Theorems ; the expansions of functions ; the determination of limiting values ; maxima and minima of one variable ; tangents, normals, and curvature.

Integral Calculus.—Elementary processes of integration ; the determination of the lengths and the areas of curves, and the volumes and the surfaces of solids of revolution.

Text books recommended :—

Conic Sections, C. Smith.
Differential Calculus for Beginners, Edwards.
Integral Calculus, I. Todhunter.

Honours.

Analytical Geometry of two dimensions.

Elementary Analytical Geometry of three dimensions.

Differential Calculus.

Integral Calculus.—The determination of lengths, areas, and volumes ; the differentiation of an integral ; definite integrals.

Students commencing this course should have read Newton's Lemmas and analytical geometry of three dimensions so far as the straight line and plane.

Text book recommended :—

Solid Geometry, C. Smith.

PURE MATHEMATICS—PART III.

Pass.

Higher Differential and Integral Calculus.—The differentiation of implicit functions ; maxima and minima of two and three variables ; the elimination of constants and arbitrary functions ; the general properties of tangents, normals, and asymptotes ; the tracing of the simpler curves ; the differentiation of an integral ; elementary definite integrals.

Solid Geometry.—The straight line and plane ; surfaces of the second degree ; conicoids referred to their axes ; plane sections ; generating lines ; curves and surfaces in general.

Differential Equations.—Equations of the first and second order ; linear equations ; simultaneous equations ; linear partial differential equations.

Text books recommended :—

Solid Geometry, C. Smith.

Differential Equations, W. W. Johnson.

Honours.

Higher Integral Calculus.—Change of the variables in multiple integrals, mean value and probability, Fourier's series ; the calculus of variations.

Solid Geometry.

Differential Equations.

Spherical Harmonics.

Text book recommended :—

Differential Equations, W. W. Johnson.

MIXED MATHEMATICS—PART I.

Pass.

Kinetics.—Uniform motion ; uniformly accelerated motion ; the laws of motion ; energy ; projectiles ; impact of spheres ; uniform motion in a circle ; simple pendulum.

Statics.—Coplanar forces ; centres of mass ; friction ; simple machines.

Hydrostatics.—Pressure of fluids under gravity ; equilibrium of floating bodies ; mechanical properties of gases ; instruments.

Text books recommended :—

Elementary Dynamics, S. L. Loney.
 Elements of Statics, S. L. Loney.
 Elementary Hydrostatics, Besant (15th edition).

Honours.

Mechanics and Hydrostatics.—So far as they can be treated without the calculus.

Text books recommended :—

Elementary Dynamics, S. L. Loney.
 Elementary Statics, J. Greaves.
 Elementary Hydrostatics, W. H. Besant.

MIXED MATHEMATICS—PART II.

Pass.

Kinetics, Statics, and Hydrostatics.—So far as they can be treated without the use of the infinitesimal calculus.

Text book recommended :—

Elementary Statics, J. Greaves.

Honours.

Analytical Statics.

Dynamics of a Particle.

Elementary Rigid Dynamics.—Moments and products of inertia ; motion in two dimensions.

Hydrostatics.

Text books recommended :—

Analytical Statics, Vol. I., E. J. Routh.
 Dynamics of a Particle, Tait and Steele.
 Elementary Rigid Dynamics, E. J. Routh.
 Hydromechanics, Part I., W. H. Besant.

MIXED MATHEMATICS—PART III.

Pass.

Analytical Statics.—Equilibrium of forces treated analytically ; centres of mass ; strings ; virtual work ; elementary parts of the theory of attraction.

Dynamics of a Particle.—Kinematics ; central forces ; constrained motion ; motion in a resisting medium.

Rigid Dynamics.—Moments and products of inertia ; motion in two dimensions.

Text books recommended :—

Analytical Statics, Vol. I., E. J. Routh.
Dynamics of a Particle, Tait and Steele.
Elementary Rigid Dynamics, E. J. Routh.

Attractions.

Honours.

Rigid Dynamics.

Hydrodynamics.

Elasticity.

Text books recommended :—

Analytical Statics, Vol. II., E. J. Routh.
Elementary Rigid Dynamics, E. J. Routh.
Elementary Treatise on Hydrodynamics and
Sound, A. B. Basset.
Theory of Elasticity, Vol. I., A. E. H. Love.

DEDUCTIVE LOGIC—

The Course will include the following subjects :—

The scope and definition of Deductive (or Formal) Logic ; the Primary Logical Laws ; the formation and characteristics of general notions ; Terms, Propositions, and Reasonings, in connection with the questions and exercises in the text books ; Formal Definition and Division ; recent criticisms and proposed extensions of the traditional Logic ; Symbolic Logic ; and Fallacies.

Pass.

Books recommended :—

Jevons—Elementary Lessons in Logic.
Keynes—Studies and Exercises in Formal Logic,
Parts I., II., and III.
Whately—Logic, Book III.

The Examination will include Exercises to test the Candidate's skill in applying the logical rules.

Additional for Honours.

Veitch—Institutes of Logic, Part I.
Venn—Symbolic Logic.

INDUCTIVE LOGIC—

Mill's *Logic*, critically treated with reference to the views of other logicians, will be used as the principal text book. In considering Books I. and II., prominence will be given to the *Psychology of Judgment and of Reasoning*; and Book III. will be made the basis of a full treatment of the *Logic of Induction*.

This subject does not presuppose a previous knowledge of *Deductive Logic*.

Books recommended :—

Mill—*Logic*.

Jevons—*Principles of Science*, so far as referred to in *Lectures*.

(Fowler's *Inductive Logic* may be read with advantage prior to the study of Mill's *Logic*.)

Additional for Honours.

Venn—*Empirical Logic*.

MENTAL PHILOSOPHY—SECOND YEAR ARTS—

The *Psychology of the Senses and the Intellect*.

Sully's *Outlines of Psychology* (new edition) will be used as a text book.

The *History of Modern Philosophy* from Descartes to Kant, with special reference to Descartes, Spinoza, Locke, Berkeley, Hume, Reid, and Kant. (Watson's *Selections from Kant* may be used as a sufficient introduction to the study of Kant.)

Additional for Honours.

A critical acquaintance with the *Philosophy of Berkeley*. (Fraser's *Selections from Berkeley* may be used).

MENTAL PHILOSOPHY—THIRD YEAR ARTS—

Books recommended :—

Sully—*Outlines of Psychology* (new edition).

Berkeley—Fraser's *Selections from*.

Kant—*Critique of Pure Reason*.

Herbert Spencer—*First Principles and Principles of Psychology*, in so far as these contain his doctrines of the *Unknowable* and of *Transfigured Realism*.

MORAL PHILOSOPHY—

Candidates will be expected to show—

- (i.) A general knowledge of the History of Moral Philosophy.
- (ii.) A critical acquaintance with the following works :—
 Butler—Dissertation on Virtue and Sermons on Human Nature.
 Kant—Fundamental Principles of the Metaphysic of Morals.
 J. S. Mill—Utilitarianism ; with references to Bentham.
 Herbert Spencer—Data of Ethics.

SYSTEMATIC ZOOLOGY—

The general principles of the systematic classification of all the vertebrate and invertebrate groups of the animal kingdom as far as classes, orders, and the more important families and genera, together with the requisite knowledge of their anatomy and physiology.

SYSTEMATIC BOTANY—

Character of the classes and orders of Australian Plants.

PHYSICAL GEOLOGY AND MINERALOGY—

Physical Geology.—General theories of the early history of the earth. The action of natural causes in modifying the earth at present and in early times. The mode of observing in the field and forming geological maps and sections.

Mineralogy.—The general principles of the more important systems of the classification of minerals, together with Crystallography according to the systems of Weiss, Naumann, and Miller. The physical and crystallographic characters of the chief elementary and compound minerals that enter into the composition of geological formations, together with the descriptive petrology of the igneous and metamorphic rocks. Students can acquire practice in the chemical analysis of minerals in the Chemical Laboratories of the University.

STRATIGRAPHICAL GEOLOGY AND PALÆONTOLOGY—

Stratigraphical Geology.—The general arrangement and special lithological characters of the sedimentary strata in their chronological order.

Palæontology.—The distinctive characters of the more common fossils, marking all the main subdivisions of all the fossiliferous geological formations.

BIOLOGY—PART I.—

The elements of vertebrate and invertebrate morphology.

The structure and life history of the frog in detail.

The outlines of vertebrate histology.

The characters of the following divisions of the animal kingdom :—*Protozoa, Cœlenterata, Cestoda, Trematoda, Hirudinea, Chaetopoda, Arthropoda, Mollusca, Cephalochorda, Pisces, Amphibia, Reptilia, Aves, Mammalia*, together with the structure and life history of at least one typical example of each.

The character and mode of formation of *ova* and *spermatozoa*. The maturation and fertilization of the *ovum*.

The outlines of development of the common fowl.

The origin of the *amnion*, *allantois*, and *placenta*.

Laboratory Work.—*Amœba, Vorticella, Hydra, Astacopsis, Hyla, Columba*. Vertebrate histology.

The elements of the morphology and physiology of plants.

The structure and life history of *Pteris*.

The characters of the following divisions of the plant kingdom :—*Thallophyta, Muscineæ, Vascular Cryptogams, Gymnospermæ, Angiospermæ*, together with the structure and life history of at least one typical example of each.

The outlines of vegetable histology.

Laboratory Work.—*Protococcus, Bacteria, Spirogyra, Marchantia, Pteris, Vicia*.

Text Books:—

Elementary Biology—Parker.

The Frog—Marshall.

Practical Zoology—Marshall and Hurst.

BIOLOGY—PART II.—

The subjects of examination will be those treated of in Lectures and Laboratory work during the year, as specified below.

- (1) *Advanced Course in Comparative Anatomy*.—This course will extend over two years. The first part will consist of two Lectures weekly, together with Laboratory Work; in the Lectures, the characters of the chief orders in the animal kingdom, including the more important extinct forms, will be given; in the Laboratory the following or some similar list of forms will be studied:—

(1) *Amæba, Actinosphærium, Thalassicolla, Sphærozoum, Gregarina, Acineta, Nyctotherus, Paramæcium, Vorticella, Euglena, Leucosolenia, Sycandra, Grantia, Leucandra, Stelospongius, Hydra, Cordylophora, Obelia, Tubularia, Ocellularia, Cotylorhiza, Velella, Pleurobrachia, Actinia, Alcyonium, Antipathes, Pennatulidæ, Antedon, Asterias, Strongylocentrotus, Ophiocoma, Holothuria, Geoplana, Cerebratulidæ, Distoma, Ascaris, Tænia, Hirudo, Lumbricus, Hermione, Pectinaria, Sipunculus, Phoronis, Waldheimia, Plumatella, Brachionus, Sagitta, Apus, Daphnia, Cyclops, Argulus, Lepas, Ibla, Talitrus, Caprella, Idotea, Oniscus, Squilla, Astacopsis, Carcinus, Phyllosoma, Peripatus, Julus, Scolopendra, Scorpio, Glycosa, Podura, Blatta, Æschna, Culex, Musca, Lucanus, Antheræa, Apis, Chiton, Helix, Aplysia, Sepia, Mya, Unio, Pecten, Cardium, Ascidia, Botryllus, Salpa, Amphioxus, Petromyzon, Scyllium, Chrysophrys, Ranhylla, Hinulia, Testudo, Platycercus, Phalangista.*

- (2) The following invertebrates skeletons in addition to those included in (1):—*Globigerina, Polycystina, Euplectella, Euspongia, Stelletta, Esperella, Millepora, Stylaster, Plumularia, Graptolites, Goniocidaris, Spatangus, Clypeaster, Adeona, Balanus, Trilobites, Phasianella, Trigonina, Pinna, Solen, Haliotis, Nautilus, Spirula, Ammonites.*

(3) The following vertebrate skeletons in addition to those included in (1):—*Cestracion*, *Ceratodus*, *Axolotl*, *Chelone*, *Monitor*, *Sphenodon*, *Hoplocephalus*, *Crocodilus*, *Struthio*, *Dromæus*, *Gallus*, *Anser*, *Haliaëtus*, *Ornithorhynchus*, *Echidna*, *Thylacinus*, *Macropus*, *Phascolarctos*, *Phascotomys*, *Petaurista*, *Cholæpus*, *Pteropus*, *Canis*, *Delphinus*, *Sus*, *Ovis*, *Equus*, *Manatus*, *Elephas*, *Lemur*, *Cercopithecus*. The examination of and upon these specimens will depend on the resources of the collection belonging to the department, which is not yet complete.

(2) *Botany*.—The Life History, Morphology, and Histology of Plants. The course will consist of one Lecture weekly during three terms.

Text books:—

Balfour—Comparative Embryology, Vols. I. and II.
Claus—Zoology, English translation, by Sedgwick.
Goebel—Outlines of Classification and Special Morphology.

Reference books:—

Rolleston—Forms of Animal Life, 2nd edition, by Jackson.
Sachs—Text Book of Botany, or the equivalents thereof.

For Honours.

A fuller treatment of the above than in the ordinary examinations.

BIOLOGY—PART III.—

The subjects of examination will be those treated of in Lectures and Laboratory work during the year, as specified below.

- (1) *Advanced Course in Comparative Anatomy*, in continuation of the second year's course. There will be two Lectures weekly during two terms. (For details of Laboratory work see above.)
- (2) *The Distribution of Animals*.—The distribution of recent and fossil forms; the characteristic animals of zoogeographical regions, their affinities, and probable migrations. The course will consist of one lecture weekly during two terms.

- (3) *Embryology*.—The embryonic development of the fowl in detail. General Embryology as given in Balfour's *Embryology*, Vols. I. and II. The generalizations of Embryology; the Germ Layer Theory; Larval forms. Parthenogenesis.

Laboratory work, the development of the fowl, and of such other types as there may be time for. This course will consist of three Lectures weekly during one term.

Text books (in addition to those for the second year):—

Foster and Balfour—*Elements of Embryology*, 2nd edition, by Sedgwick and Heape.

Heilprin—*Distribution of Animals* (Int. Sci. Series).

Wiedersheim—*Anatomy of Vertebrates*, English translation, by Parker.

Reference books:—

Wallace—*Island Life*.

Wallace—*Distribution of Animals*.

For general questions:—

Darwin—*Origin of Species*.

It is to be distinctly understood that the second year's work will depend upon a knowledge of the first, and the third year's work upon a knowledge of that of both the first and second years, and that any papers set will of necessity include questions requiring such knowledge.

NATURAL PHILOSOPHY—PART I.—*

Definition of Natural Philosophy. General principles used in all scientific investigations.

Fundamental units of length, time, and mass.

Explanation of the ideas—Motion, Velocity, Acceleration, Momentum, Force, Weight.

Newton's laws of motion.

Measurement of space (length, area, volume), time, and mass.

Composition and resolution of velocities, accelerations, and forces.

Energy (Potential, Kinetic), conservation, transformation, dissipation and availability of energy.

* All parts in *italic* are for honours only.

Work. The principle of work.
Moment. The principle of moments. Couples.
Friction of solids.
The simple machines.
Law of Gravitation. Falling bodies. Atwood's machine. Measurement of acceleration of gravity.
Centre of Gravity. Stable, unstable, and neutral equilibrium.
The simple pendulum.
Centrifugal Force.
The essential and general properties of matter.
Characteristic and contingent properties of solids, liquids, and gases.
Fluid pressure. Pascal's principle.
Pressure within heavy fluids.
Hydrostatic Machinery.
Density and Specific Gravity. (Measurement by specific gravity bottle, hydrostatic balance, hydrometers of variable immersion.)
Capillary phenomena.
Measurement of pressure. (Mercurial and Aneroid barometers, Liquid manometer.)
Measurement of the compressibility of gases. Boyle's law.
Air pumps. Water pumps. Siphon.
The general effects of Heat.
Temperature. Thermometry (construction of mercurial thermometer, Centigrade and Fahrenheit scales, maximum and minimum thermometers).
Measurement of the co-efficient of expansion for temperature of solids, liquids, and gases.
Machines founded on the expansion of solids (metallic thermometers, compensated pendulums, compensation balance).
Charles's law. *Measurement of the density of a gas.*
Maximum density of water.
Specific heat. Calorimetry.
Change of state. Laws of fusion and evaporation.
Latent heat. Influence of pressure on the melting and boiling points. Freezing mixtures.
Aqueous vapour. Tension of aqueous vapour. Maximum tension of vapour. Dew point. (Dines's and Regnault's hygrometers.)
Diffusion of heat by conduction, convection, and radiation (*conductivity, diffusivity*).

Heat a form of energy. Connection between heat and the other forms of energy. Mechanical equivalent of heat.

Transmission of light. Wave motion.

Measurement of the velocity of light.

Intensity of light. Photometers.

Reflection of light. Mirrors. Foci.

Refraction. Total reflection.

Prisms. Deviation through a prism. *Formula for deviation. Minimum deviation. Measurement of refractive index.*

Lenses. Focal length. *Formulae relating to thin lenses.*

Dispersion. The spectrum. Method of obtaining a pure spectrum. Fraunhofer's Lines.

Colour. Colour of bodies. Mixture of colours.

Colours of mixed powders. Complementary colours.

Simple and compound microscope.

Reflecting and refracting telescope.

Magic Lantern.

The eye as an optical instrument.

Fundamental phenomena of Frictional Electricity.

Electrification. Conduction. Induction. Lines of force.

Laws of electric action. Torsion balance.

Distribution of electricity on a conductor [(proof plane, hollow conductor, power of points)].

Distribution due to induction (ice pail experiment).

Electric potential. Capacity of a conductor.

Electroscopes (gold leaf and condensing).

Machines for transforming mechanical into electric energy (electrophorus, plate machine, *Wimshurst machine*).

Electric discharges (spark and brush, lightning conductors, heating, chemical and magnetic effects).

Electric condensers. Capacity of a condenser.

Quadrant electrometer.

Laws of magnetic action.

Magnetic induction.

Methods of magnetization.

Molecular nature of magnetism (broken magnets).

Terrestrial magnetism (declination, dip).

Magnetic moment.

Mutual action of magnets. Inverse cube law.

Electricity due to chemical action.

Simple galvanic cell. Polarization. Local action.

Current. Electromotive force. Resistance. Ohm's Law.
 Daniell's, Clarke's, Grove's, Bunsen's, Bichromate, and Le Clanche's cells.
 Arrangement of cells. *Arrangement for maximum current.*
 Laws of magnetic force due to electric currents (Astatic, tangent, and mirror galvanometers; electro-magnets).
 Chemical action of the current (electrolysis, volta-meters, secondary batteries).
 Measurement of resistance (rheostat, Wheatstone's bridge).
 Measurement of electromotive force (high resistance galvanometer).
 Electro-magnetic induction. Lenz's law. Self-induction. The extra current.
 Ruhmkorff's coil.
 Clark's machine. Siemens' armature. Self-exciting machines. *Gramme dynamo.*
 Heat, light, and work derived from the electric current.
 The telegraph (needle and Morse systems).
 The Bell telephone.

Text books recommended :—

Lodge—Elementary Mechanics.
 Sanderson—Hydrostatics for Beginners.
 Ganot—Physics ; or,
 Deschanel—Natural Philosophy.

Honours.
(As above.)

NATURAL PHILOSOPHY—PART II.—

Properties of Matter ; Heat ; Geometrical and Experimental Optics ; Sound ; Electricity and Magnetism.

Practical Work.—The experiments and measurements relating to Parts I. and II. courses.

Text books recommended :—

Tait—Properties of Matter.
 Balfour Stewart—Heat.
 Heath—Elementary Geometrical Optics.
 Deschanel—Acoustics and Light.
 S. P. Thompson—Electricity and Magnetism.
 Glazebrook and Shaw—Practical Physics.

For Honours.

A fuller treatment of the subjects specified above for the Pass Examination, together with
Elementary Electrical Theory.

NATURAL PHILOSOPHY—PART III.—

Heat, as in Parts I. and II.

Thermodynamics.

Light.

Electricity and Magnetism, experimental and theoretical, including the theory and construction of Dynamos, Motors, Transformers and Storage Batteries.

Practical Work.—Experiments and measurements relating to Parts I., II., and III. courses.

Text books recommended :—

Tait's Heat; Preston's Theory of Light; Gray's Absolute Measurements in Electricity and Magnetism, Vols. I. and II.; Stewart and Gee's Practical Physics; Portions of S. P. Thompson's Dynamo-Electric Machinery.

ASTRONOMY—

Spherical and Practical Astronomy.

Elementary Physical Astronomy.

Astronomical Instruments.

Text Books recommended :—

Ball—Astronomy.

Godfray—Astronomy.

CHEMISTRY, PART I.—

The law of the conservation of mass. Combustion.

The atmosphere. Oxygen. The chemistry of water.

Hydrogen.

Mixtures and pure substances. Compounds and elements. The law of definite proportions. Physical properties of pure substances (solid, liquid, and gaseous). The separation of mixtures into their ingredients by physical processes, *e.g.*, filtration, solution, distillation, &c.

Sodium chloride. Sodium. Chlorine. Sodium hydroxide. Sodium oxide. Hydrogen chloride. Acids, alkalis, bases, and salts. Sodium peroxide. Hydrogen peroxide.

The law of multiple proportions. Combining or equivalent weights of elements and of compounds. Gay-Lussac's volumetric laws of gaseous combination. Boyle's law. Charles's law. Avogadro's law. Vapour density. The theory of molecules and atoms. Dulong and Petit's law of specific heats. The determination of molecular and atomic weights. The valency of atoms. The atomicity of molecules. The general modes and characteristics of chemical change. Combination, decomposition, substitution, double decomposition. Energy changes accompanying material changes.

Chemical notation and arithmetic.

The natural classification of the elements. The periodic law. Its bearing on the chief physical properties, valency, and chemical characters of the elements.

Oxides and hydroxides. Their classification by formula. Basic oxides. Acid oxides. Neutral oxides. Peroxides. Double oxides. Chief modes of formation and decomposition. Oxidation and reduction.

Chlorides. Their classification by formula and by characters. Modes of formation and decomposition. Double chlorides.

Sulphur. Allotropy. Ozone. The oxides of sulphur. Sulphuric acid. The sulphates. Constitution of acids and salts. Compound acid radicles. The basicity of acids and the acidity of bases. Normal, acid, and basic salts. Double salts. Water of crystallization. Sulphurous acid. The sulphites. The thiosulphates. Hydrogen sulphide. Metallic sulphides.

Nitrogen. Ammonia. Ammonium salts. Compound basic radicles. Dissociation. Nitric acid. The nitrates. The nitrites. The oxides of nitrogen. Nitrosyl chloride and other acid chlorides.

The hypochlorites, chlorates, and perchlorates. The oxides of chlorine.

Carbon. The oxides of carbon. The carbonates. Carbon disulphide. Destructive distillation of organic matter. Coal and coal-gas. The hydrocarbons, saturated and unsaturated. Methane and ethane. Ethylene. Acetylene. Their chlorine derivatives. Alcohol. Fermentation. Ether. Methyl

and ethyl salts (esters). Saponification. Amines. Aldehyde. Chloral. Chloroform. Acetic acid and the acetates. Formic acid. Glycol. Oxalic acid and the oxalates. Hydrocyanic acid and the cyanides. Double cyanides. Cyanogen. The cyanates. Urea. Constitution and isomerism.

Phosphorus. Its oxides. The phosphoric acids and the phosphates. Phosphites and hypophosphites. Phosphines. The chlorides of phosphorus.

The occurrence, preparation, and properties of the following elements and their chief compounds, and the characteristics of the groups and sub-groups to which they are referred (elements already dealt with are placed in brackets) :—

Group VII.*a* Fluorine (chlorine), bromine, iodine.

Group I.*b* (Hydrogen, sodium), potassium.

Group II.*b* Calcium, strontium, barium.

Group II.*a* Magnesium, zinc, cadmium, mercury.

Group III. Boron, aluminium.

Group IV. (Carbon), silicon, tin, lead.

Group V. (Nitrogen, phosphorus), arsenic, antimony, bismuth.

Group VI.*a* (Oxygen, sulphur).

Group VI.*b* Chromium.

Group VII.*b* Manganese.

Group VIII. and Group I.*a* Iron, nickel, cobalt, copper, silver, platinum, gold.

Laboratory Work.—The systematic qualitative examination, by dry-way and wet-way methods, of substances belonging to the following classes (absolute purity not being guaranteed) :—Elements, oxides, hydroxides, acids, simple salts. Candidates must show in the written reports of their work at the practical examination that they understand the theory of the methods they employ.

For Honours.

The examination will not go outside the lines indicated for the Pass ; but candidates will be expected to show more detailed acquaintance with the chemistry of the elements and compounds already named, and special stress will be laid upon the more theoretical parts of the subject.

Text books :—

Remsen's Inorganic Chemistry ; portions of Remsen's Organic Chemistry ; Clowes's Practical Chemistry ; Dobbin and Walker's Chemical Theory.

For consultation and for honour work—

Remsen's Principles of Theoretical Chemistry ;
Richter's Inorganic Chemistry.

CHEMISTRY, PART II., and CHEMISTRY, PART III.—

The written examinations in *both* these subjects will, in 1894, be on the work prescribed below under the heading B., and thereafter (unless otherwise announced) alternately in subjects A. and B. Corresponding courses of lectures will be given in alternate years.

A. (ADVANCED GENERAL CHEMISTRY)—

The history of the theory of atoms and molecules. Determination of molecular and atomic weights. Vapour density. Dissociation. Specific heat. Isomorphism. The atomic weight unit. The periodic law. Valency. Constitution. Isomerism. Allotropy.

The physics of the solid, liquid, and gaseous states. Melting points, boiling points, and critical points. Molecular and atomic volumes. Optical properties of liquids and solids. Relations of the foregoing properties to constitution.

The phenomena, laws, and theory of solution. Methods of determining the molecular weights of substances in solution. Alloys. Electrolysis. The constitution of electrolytes.

The elements of thermochemistry. Photochemistry. Spectroscopy.

Mass action. Affinity.

Books recommended :—

Remsen's Principles of Theoretical Chemistry ;
Ostwald's Outlines of General Chemistry ; and
(for consultation) Pattison Muir's Principles of Chemistry and Lothar Meyer's Modern Theories of Chemistry.

B. (ADVANCED DESCRIPTIVE CHEMISTRY)—

Inorganic chemistry in fuller detail than in Part I., and including the chemistry of the rarer elements.

Organic chemistry in fuller detail than in Part I., and including both the fatty and the aromatic compounds.

Books recommended :—

Richter's Inorganic Chemistry ; Richter's Organic Chemistry ; and (for consultation) Roscoe and Schorlemmer's Treatise on Chemistry.

PART II.—

Laboratory Work.—Complex qualitative analysis, including spectroscopic methods. Preparations of pure substances.

Books recommended :—

Clowes's Practical Chemistry ; and (for consultation) Dittmar's Manual of Qualitative Analysis, and Fresenius's Qualitative Analysis.

PART III.—

Laboratory Work. — Qualitative and quantitative analysis, inorganic and organic. Preparations of pure substances. Determinations of melting and boiling points, specific gravity, vapour density, vapour pressure, heat of neutralization, &c.

Books recommended :—

Thorpe's Quantitative Analysis ; and (for consultation) Fresenius's Quantitative Analysis, Vols. I. and II.

TECHNICAL CHEMISTRY—

A separate paper will be set in the examination of the third year to test the candidates' knowledge of such technical processes as the extraction of the metals from their ores, the manufacture of acids, alkalis, glass, cement, soap, dyes, the distillation of coal, fermentation, &c. The amount of knowledge expected will be such as can be gained from the pages of Roscoe and Schorlemmer's Treatise on Chemistry.

For Honours.

Candidates will be expected to show in their written papers and practical work a fuller knowledge of the subjects specified above for the Pass Examinations, and to give evidence of having studied the books recommended for consultation.

By order of the Professorial Board,

EDWARD E. MORRIS,

10TH MAY, 1893.

PRESIDENT.

**SUBJECTS OF EXAMINATIONS FOR FINAL HONOURS
AND SCHOLARSHIPS TO BE HELD IN THE FIRST
TERM, 1895.**

(1.)—SCHOOL OF CLASSICS AND COMPARATIVE PHILOLOGY.

Translation from Greek and Latin.

Translation into Greek and Latin Prose and Verse.

The History of Greek and Latin Literature.

The General Principles of Comparative Philology.

The Comparative Grammar of the Greek and Latin Languages.

SPECIAL SUBJECTS OF EXAMINATION—

Homer—Odyssey I.-IV., IX.-XII.

Herodotus—Books I. and II.

Thucydides—Book VIII.

Æschylus—Septem contra Thebas.

Demosthenes—Against Androtion.

Aristophanes—Frogs.

Terence—Heautontimorumenos, Phormio.

Lucretius—Book II.

Theocritus—Snow's Selection.

Lucian—Jupiter Tragedus, Navigium.

Cicero—Epistolæ Selectæ. Part II. (Watson.)

Horace—Satires.

Tacitus—Annals III.-IV., Germania and Agricola.

Books recommended (but not prescribed) :—

For Comparative Philology and the Greek and Latin Languages—

Victor Henry—Comparative Grammar of Greek and Latin. (Translated by Elliott.)

King and Cookson—Sounds and Inflexions in Greek and Latin.

Brugmann—Grundriss der Vergleichenden Grammatik der I. G. Sprachen.

Roby—Latin Grammar.

Wordsworth—Fragments and Specimens of early Latin.

Goodwin—Greek Moods and Tenses.

Rutherford—New Phrynichus.

Cobet—Variæ Lectiones.

For Greek and Roman Literature—

Jevons—History of Greek Literature.

Cruttwell—History of Roman Literature.

Mahaffy—History of Greek Classical Literature.

Sellar—Roman Poets.

(2.)—SCHOOL OF HISTORY, POLITICAL ECONOMY, AND JURISPRUDENCE.

Ancient History.

The History of the British Empire.

The Character and Method of the Social Sciences.

The Principles of Political Economy.

Jurisprudence.

Books recommended :—

The books and references mentioned under **Ancient History**, **History of the British Empire**, **Parts I. and II.**, **Political Economy**, and **Jurisprudence**.

Finlay—**History of Greece**, Vol. I.

Mommsen—**History of Rome**, Book I.; Book II. ch. 1, 2, 3, 8, 9.

Roscher—**Political Economy**, translated by Lalor.

Spencer—**Political Institutions**.

Seebohm—**The English Village Community**.

Stubbs—**Constitutional History**.

Gardiner—**Constitutional Documents of the Puritan Revolution**, 1628-60.

Cunningham—**Growth of English Industry and Commerce** (2nd edition).

Lecky—**History of England in the Eighteenth Century**.

Spencer—**First Principles**, Part II. ch. 12-17 (2nd edition).

Cairnes—**Logical Method of Political Economy**.

(3.)—SCHOOL OF LOGIC AND PHILOSOPHY.

Papers will be set in the following subjects :—

1. FORMAL LOGIC—

Veitch—**Institutes of Logic**, Part I.

Keynes—**Studies and Exercises in Formal Logic**.

Venn—**Symbolic Logic**.

The Examination will include exercises in **Formal and Symbolic Logic**.

2. INDUCTIVE LOGIC—

Mill—**Logic**.

Venn—**Empirical Logic**.

3. PSYCHOLOGY—

Psychology of the Senses and Intellect.

Lotze—**Metaphysic**, Book III. (**Psychology**).

4. METAPHYSICS—

Kant—Critique of Pure Reason.

E. Caird—Metaphysic (Article, *Encyclopædia Britannica*. Republished in *Essays on Literature and Philosophy*).

5. MORAL PHILOSOPHY—

Aristotle—Nicomachean Ethics.

Spencer—Data of Ethics.

Green—Prolegomena to Ethics.

6. HISTORY OF PHILOSOPHY—

The History of Modern Philosophy, from Descartes to Kant inclusive.

(4.)—SCHOOL OF MATHEMATICS.

The subjects prescribed for Honours in Pure Mathematics, Parts I., II., III., and in Mixed Mathematics, Parts I., II., III.

(5.)—SCHOOL OF MODERN LANGUAGES AND LITERATURE.

Composition in English, French, and German.

Translation from French and German.

History of English, French, and German Literature.

Piers the Plowman.

Chaucer—The three volumes in Clarendon Press Series.

Shakespeare—As You Like It.

„ Hamlet.

„ Lear.

„ Coriolanus.

„ Cymbeline.

„ Timon of Athens.

Bacon—Essays.

Marlow—Doctor Faustus.

Landor—Colvin's Selections, Part I.

Carlyle—Heroes and Hero Worship.

„ Past and Present.

Ruskin—Sesame and Lilies.

Matthew Arnold—Essays in Criticism (1st and 2nd Series).

Browning—Dramatis Personæ.

„ Pocket volume of Selections.

Tennyson—Works (Macmillan and Co.), pp. 27–124.

„ In Memoriam.

Prose Masterpieces from English Essayists, the first two volumes.

Cornille—*Cinna*.

Racine—*Esther*.

Molière—*Le Misanthrope*.

Boileau—*L'Art Poétique*.

Balzac—*Selections*. (Van Laun.)

Victor Hugo—*Hernani*.

„ *Les Ballades*.

Dumas—*Les Demoiselles de Saint-Cyr*.

„ *Tableaux de la Révolution Française*.

„ *Le Romantisme Français*.

Lewes—*Life of Goethe*.

Carlyle—*Life of Schiller*.

Lessing—*Laokoon*.

„ *Wie die Alten den Tod gebildet*.

„ *Nathan der Weise*.

Schiller—*Wilhelm Tell*.

„ *Wallenstein's Lager und Tod*.

Goethe—*Egmont*.

„ *Hermann und Dorothea*.

„ *Götz von Berlichingen*.

„ *Faust, Part I., and Act III. of Part II.*

Heine—*Prosa*. (Clarendon Press.)

Scheffel—*Ekkehard*. (Hager.)

Deutsche Lyrik.

Balladen und Romanzen.

Ebers—*Die Frau Bürgermeisterin*.

(6.)—SCHOOL OF NATURAL PHILOSOPHY, WITH LABORATORY WORK.

The Final Honour Examination will include both a written and an exhaustive practical examination, the subjects of examination being

A full treatment of the courses (Pass and Honour) prescribed for Parts I., II., and III., together with a special course which will be appointed from time to time. Special course for 1895—Radiation.

Books recommended for consultation or reference :—

Jamin et Bouty—*Cours de Physique*.

Maxwell—*Electricity and Magnetism*.

Fleming—*The Alternate Current Transformer*, Vol. I.

Encyclopædia Britannica—Articles on Electricity, Magnetism, Elasticity, and those relating to the Constitution of Matter.
Kohlrausch—Physical Measurements.

(7.)—SCHOOL OF GEOLOGY AND PALÆONTOLOGY.

Candidates will be required to exhibit a further knowledge of the detailed subjects of Physical Geology and Mineralogy and Stratigraphical Geology and Palæontology, as prescribed for the Annual Examinations to be held in the Fourth Term, 1892.

(8.)—SCHOOL OF CHEMISTRY, WITH LABORATORY WORK.

The work prescribed for Chemistry, Parts I., II., and III., and for Technical Chemistry. Candidates will be required to write papers on questions in Inorganic, Organic, Physical, and Technical Chemistry, and will also undergo a searching practical examination in the Laboratory.

(9.)—SCHOOL OF BIOLOGY, WITH LABORATORY WORK.

Final Honour Examination.

A fuller treatment of the courses (Pass and Honour) prescribed for Parts I., II., and III. One paper will deal with general questions, such as Heredity, Adaptation, the Germ Layer Theory, Parthenogenesis, Parasitism, the bearing of the facts of Embryology on the theory of Evolution, &c., &c. The answers to questions in this paper will be expected to take the form of essays.

EXAMINATIONS FOR THE DEGREE OF MASTER
OF ARTS TO BE HELD IN THE FIRST TERM,
1895.

A.—SCHOOL OF CLASSICS AND COMPARATIVE PHILOLOGY.

The books recommended for the Final Honours Examination for Comparative Philology and the Greek and Latin Languages are recommended also for this examination.

Portions of Greek and of Latin authors at the option of the Candidate, viz. :—

- | | | |
|--|----------|--|
| One in List A,
or
Two in List B, | } with } | One in List C,
or
Two in List D. |
|--|----------|--|
- A. *Aristotle.* Ethics, with *Plato's* Gorgias.
Aristotle. Politics, with any one Book of *Thucydides*.
Aristotle. Rhetoric, with *Demosthenes* de Corona
and *Æschines* in Ctesiphontem, or other
Orations of Demosthenes of equal length
in the aggregate.
Plato. Republic.
Thucydides. Books I.—IV.
Thucydides. Books V.—VIII., with *Xenophon*, Hellenica,
Books I. and II.
- B. *Æschylus.* The Orestean Trilogy and one other Play.
Sophocles. *Cædipus Coloneus*, *Cædipus Tyrannus*,
Antigone, and one other Play.
Aristophanes. Any four Plays.
Homer. *Iliad*, Books I.—XII.
Homer. *Iliad*, Books XIII.—XXIV.
Homer. *Odyssey*, Books I.—XII.
Homer. *Odyssey*, Books XIII.—XXIV.
- C. *Livy.* Books I.—V.
Livy. Books VI.—X.
Livy. Books XXI.—XXVII.
Tacitus. Annals.
Tacitus. Histories, Germania and Agricola.
Cicero. De Oratore, with either In Verrem Divinatio,
Actio I. and Actio II. lib. 2, or in
Catilinam, in Pisonem, and in Vatinius,
or pro Plancio, pro Murena, and pro
Milone.
Cicero. De Officiis, de Senectute, de Amicitia.
Cicero. De Republica and de Legibus. } Any
Cicero. Tusculanæ Disputationes } two.
Cicero. De Finibus Bonorum et Malorum }
- D. *Vergil.* *Æneid*.
Horace. The whole.
Juvenal. Satires (except 2, 6, 9) and *Persius*.
Lucretius. The whole.
Plautus. Miles Gloriosus, Captivi, Trinummus, with
Terence—*Andria*, *Adelphi*, *Heautontimorumenos*.

**B —SCHOOL OF HISTORY, POLITICAL ECONOMY, AND
JURISPRUDENCE.**

The History of the Middle Ages.

The Practical Applications (as stated by the principal Economic Writers) of the Principles of Political Economy.

The History of Jurisprudence.

Books recommended :—

Bryce—Holy Roman Empire.

Gibbon—Decline and Fall of the Roman Empire (Dr. Smith's edition), ch. 49-71.

Hallam—Middle Ages, except ch. 8.

Mill—Political Economy, Books III., IV., V.

Cairnes—Essays on Political Economy.

Cliffe Leslie—Essays in Political and Moral Philosophy.

Giffen—Essays in Finance.

Walker—Wages Question.

Sir H. S. Maine—Dissertations on Early Law and Custom.

The following Articles in the current edition of the Encyclopædia Britannica :—Equity, Fictions, International Law, Law, Treaties.

C.—SCHOOL OF LOGIC AND PHILOSOPHY.

Any four of the Papers set for the Final Honour Examination in the same Term.

D.—SCHOOL OF MATHEMATICS.

Candidates may present either of the two following groups :—

1. PURE MATHEMATICS—

Differential and Integral Calculus.

Differential Equations.

Analytical Geometry.

2. MIXED MATHEMATICS—

Analytical Statics.

Attractions.

Dynamics of a Particle and of a Rigid Body.

Elementary Hydrodynamics.

E.—SCHOOL OF MODERN LANGUAGES AND LITERATURE.

Any five of the English books, together with any five of the French books or any four of the German books, named for the Final Honour Examination in the same Term.

Outlines of English Literature and of the Literature of the other selected Language.

All these details, as set forth in the Calendar from page 40 to this point, are prescribed or recommended

By order of the Professorial Board,

EDWARD·E. MORRIS,

10TH MAY, 1893.

PRESIDENT.

FACULTY OF LAW.

DETAILS OF SUBJECTS AND RECOMMENDATIONS FOR THE ANNUAL EXAMINATIONS TO BE HELD IN THE EXAMINATION TERM, 1894.

JURISPRUDENCE—

For Pass Work.

The nature and classification of law and legal phenomena.

Students are recommended to consult the following works :—

Austin. *Jurisprudence* (to end of Lecture LVI.)

Markby. *Elements of Law* (Chapters IX. to XX. inclusive.)

N.B.—Students who prefer it may read Campbell's Students' Austin instead of the larger work.

Additional for Honours.

1. An advanced study of the pass work.
2. The history of legal ideas and phenomena.

Students are recommended to consult the following works :—

Austin. *Jurisprudence*.

Hearn. *Legal Duties and Rights*.

Holland. *Elements of Jurisprudence*.

Markby. *Elements of Law*.

*Blackstone. *Commentaries on the Laws of England*. (Introd., sects. 1, 2, 3).

Maine. *Ancient Law*.

Early Law and Custom.

Early History of Institutions.

CONSTITUTIONAL AND LEGAL HISTORY—

For Pass Work.

1. The British Constitution.
2. The Constitution of Victoria.

* Blackstone should, if possible, be studied in an edition published previously to the year 1780.

Students are recommended to consult the following works :—

- Hearn. *The Government of England.*
- *Blackstone. *Commentaries on the Laws of England.* (The Historical and Constitutional part viz. :—Introd., sect. 4; Book I., ch. 2-1 Book II., ch. 3-6.)
- Jenks. *The Government of Victoria.*

Additional for Honours.

1. The Chief Constitutional documents in English a Victorian history.

Students are recommended to consult the following works :—

- Stubbs. *Select Charters.*
- Stubbs. *The Constitutional History of England* (as a work of reference).
- *Blackstone. *Commentaries* (Appendices to Books II. and III.)
- Anson. *Law and Custom of the Constitution.*
- The principal statutes and cases in English and Victorian history.

ROMAN LAW—

For Pass Work.

The History and General Principles of Roman Law (Public and Private) from the earliest times to the death of Justinian.

Students are recommended to consult the following works, viz. :—

- { Muirhead. *Roman Law*; or
- { Ortolan. *History of Roman Law.* (Translated by Prichard and Nasmith.)
- Mommsen. *History of Rome.* (Translated by Dickson.)
- Book I.—Chapters V., VI., XI.
- „ II. „ I., II., VIII.
- „ III. „ XI., XII.
- „ IV. „ II., III., IV., X., XI.
- „ V. „ VIII., XI.
- Gneist. *Syntagma Juris Romani.* (As a work of reference.)

* Blackstone should, if possible, be studied in an edition published previously to the year 1780.

Additional for Honours.

The Twelve Tables (surviving fragments).

The Commentaries of Gaius. { (As a comparative study.)
The Institutes of Justinian. }

Students are recommended to consult the following works :—

Gneist. *Syntagma Juris Romani*. (Where the prescribed texts will be found.)

Moyle. *Imperatoris Justiniani Institutiones*. (As a Commentary.)

INTERNATIONAL LAW—

The Law of Allegiance, of Aliens, of Naturalization, and of Extradition.

The Rights and Duties of Nations in time of Peace.

The Rights and Duties of Nations in time of War.

The Principles of Private International and Inter-colonial Law.

Hall on International Law.

Westlake on Private International Law.

The Acts in force in Victoria on the following subjects :—Extradition ; Foreign Enlistment ; Foreign Jurisdiction ; Foreign Laws ; Colonial Laws and Legislature ; Naturalization ; Aliens ; Foreign Wills.

Additional for Honours.

Tudor's Leading Cases on Mercantile and Maritime Law :—*Don v. Lippman*, The Twee Gebroeders, and the following cases to the end of the volume.

The following cases :—The *William*, 5 C. Robinson, 385 ; The *Atalanta*, 6 ib. 446 ; The *Caroline*, ib. 461 ; *Le Louis*, 2 Dodson, 215 ; *Lloyd v. Guibert*, L.R. 1 Q.B., 115 ; *Godard v. Gray*, L.R. 6 Q.B., 139 ; *Schibsby v. Westenholz*, ib. 155 ; *Sottomayer v. De Barros*, 3 P.D. 1, 5 P.D. 44.

Candidates for Honours will be expected to show some acquaintance with the actual terms of the treaties and the circumstances of the cases referred to in Mr. Hall's book.

THE LAW OF PROPERTY—

The Principles of the Law of Real and Personal Property in Victoria.

The substance of the following text books and Statutes:—

Joshua Williams on Real Property, 17th edition (except chs. 3 and 9 of Part I. and Part III.)

Leake's Digest of the Law of Property in Land, chs. 3 and 4 of Part I. (The Law of Uses and the Law of Trusts and Equitable Estates); sect. 6 of ch. 1 of Part II. (Conditional Limitations and Conditions).

Joshua Williams on Personal Property, 13th edition (except Part II., and so much of Part I. as treats of what constitutes a valid Contract of Sale).

The Real Property Act 1890, sects. 108, 109, 125, 169 to 173 inclusive, 181, 189, 197, 198, and 200.

The Transfer of Land Act 1890, except sects. 5 to 10 inclusive, 12 to 18 inclusive, 22 to 25 inclusive, 27 to 36 inclusive, 39, 42 to 49 inclusive, 82 to 87 inclusive, and Parts VI., VIII., IX., and XIII.

The Instruments Act 1890, Part VI., and sects. 229, 230, and 231.

The Partnership Act 1891, sects. 1 to 8 inclusive, 23 to 27 inclusive, and sect. 43.

The Insolvency Act 1890, sects. 59 to 64 inclusive, 68 to 76 inclusive, 81, 84, 92 to 95 inclusive, 102, 110, 131, 132, 133, 145, 150, 153, and 154.

The Administration and Probate Act 1890, sects. 3 to 12 inclusive, 25 and 26.

The Married Women's Property Act 1890.

The Law relating to Married Women, by Duffy and Irvine (for Pass omitting pp. 63 to 118 inclusive).

The Victorian Statutes which refer to the subjects above dealt with, together with the cases referred to in the notes in the edition of the Consolidated Statutes published by the Government Printer.

Whether any Imperial Statute applies to or has been copied in Victoria can be found by reference to the Tables in Webb's Imperial Law, so far as these Tables extend.

Additional for Honours.

Leake's Digest of the Law of Property in Land,
Parts I. and II. (except ch. 2. of Part I.)

Smith's Leading Cases :—Twyne's Case, Spencer's
Case, Nepean v. Doe, Taylor d. Atkins v.
Horde.

White and Tudor's Leading Cases in Equity :—
Basset v. Nosworthy, Le Neve v. Le Neve.

Tudor's Leading Cases in Real Property :—Rouse's
Case, Richardson v. Langridge.

Together with the Notes on these Cases.

THE LAW OF WRONGS (CIVIL AND CRIMINAL)—

Civil Wrongs.

Crimes and Punishments.

Pollock's Law of Torts.

Shirley's Criminal Law.

Stephen's Digest of the Criminal Law.

The Sections of the Victorian Statutes corresponding
with those of the Imperial Statutes cited in the fore-
going books.

Additional for Honours.

Smith's Leading Cases :—Armory v. Delamirie,
Ashby v. White, Scott v. Shepherd, Semayne's
Case, Six Carpenters' Case, Merryweather v.
Nixan, Pasley v. Freeman—together with the
Notes to these Cases.

Broom's Legal Maxims.—The following Maxims :—

Actus Dei nemini facit injuriam.

Volenti non fit injuria.

Nullus commodum capere potest de injuria
sua propria.

Actus non facit reum nisi mens sit rea.

Sic utere tuo ut alienum non lædas.

The Victorian Statutes which refer to the
subjects dealt with in these works.

THE LAW OF OBLIGATIONS—

General Principles—Anson's Principles of the English
Law of Contract.

Obligations arising out of particular contracts—Smith's
Manual of Common Law, Part III., Title II., ch. 3,
5, 6, 7, 9 ; Part III., Title III., ch. 1, 2.

Smith's Leading Cases :—Birkmyr v. Darnell, Coggs v.
Bernard.

The Instruments Act 1890, Parts I., III., IV., V., and XI.

The Companies Act 1890, Part I., Divisions 1 and 2, and sections 47 and 48 of Division 3.

The Local Government Act 1890, Part XIV.

Additional for Honours.

Broom's Legal Maxims, ch. 8 and 9.

Smith's Leading Cases :—Addison v. Gandasequi, Paterson v. Gandasequi, Thomson v. Davenport, Master v. Miller, Miller v. Race, Mitchell v. Reynolds, Manby v. Scott, Montague v. Benedict, Seaton v. Benedict, Cutter v. Powell, and the Notes on those Cases.

For both the Ordinary and Honour Examinations the Victorian Statutes which refer to the subjects dealt with in these works.

THE DOCTRINES OF EQUITY AND THE GENERAL PRINCIPLES OF PROCEDURE—

Extra Judicial Remedies.

Remedies in Courts of Justice, including Jurisdiction of Courts, Parties, Process, including Prerogative Writs and Interlocutory Proceedings, Pleading, Evidence, The several modes of Trial and Hearing, Judgment, including Damages, Specific Performances, The Execution of Trusts, Injunction and other Equitable Remedies, Appeals.

Broom's Legal Maxims, ch. 3, "The Judicial Office," and "The Mode of Administering Justice." Part V., "Fundamental Legal Principles," and Part X., "Maxims Applicable to the Law of Evidence."

Snell's Principles of Equity (the whole).

Smith's Manual of Equity Jurisprudence (the whole).

Drewry's Claims and Defences in the Chancery Division of the High Court of Justice.

Bullen and Leake's Precedents and Notes, Part II., 1888.

Stephen's Digest of the Law of Evidence.

All Statutes and Rules of Court relating to the Law of Procedure, also the Insolvency Act 1890, Parts II., III., and IV., The Marriage Act 1890, Parts III., IV., V., VI., VII., VIII., IX., X., and XI., also all Amending Statutes.

*Additional for Honours.***Brett's Leading Cases in Modern Equity.****MINING LAW—**

The Statutes in reference to Mining Law in force at the time of each Examination.

SUBJECTS OF THE EXAMINATION FOR THE FINAL HONOURS AND SCHOLARSHIP TO BE HELD IN THE FIRST TERM, 1895.

INTERNATIONAL LAW.

THE LAW OF WRONGS (CIVIL AND CRIMINAL).

THE DOCTRINES OF EQUITY AND THE GENERAL PRINCIPLES OF PROCEDURE.

The subjects above prescribed for Honours.

THE LAW OF PROPERTY—

The Subjects prescribed for Examination in the Law of Property for the First Year Laws both for Pass and Honours, with the following in addition :—

Williams's Real Property, Part I. ch. 5.

Smith's Leading Cases :—Clayton v. Blakey, Doe d. Christmas v. Oliver, Doe d. Rigge v. Bell, Dovaston v. Pyne, Elwes v. Mawe, Horn v. Baker, Keech v. Hall, Lickbarrow v. Mason, Moss v. Gallimore, Nepean v. Doe, Simson v. Hartopp.

Snell's Principles of Equity, Part II.

Webb's Imperial Laws. (N.B. — The Tables are prescribed only so far as necessary to determine the applicability of the English Text Books to the colony.)

THE LAW OF OBLIGATIONS—

The Subjects prescribed for Examination in the Law of Obligations for the First Year Laws both for Pass and Honours, with the following in addition :—

Smith's Leading Cases :—Bickerdike v. Bollman, Calye's Case, Carter v. Boehm, Collins v. Blanter, Cumber v. Wane, George v. Clagett, Godsall v. Boldero, Lamplough v. Brathwait, Marriott v. Hampton, Peter v. Compton, Rose v. Hart, Smith v. Hodson, Wain v. Warlters, Whitcomb v. Whiting, Wigglesworth v. Dallison.

Snell's Principles of Equity, Part III., ch. 1 to 8 (both inclusive).

Webb's Imperial Laws. (N.B.—The Tables are prescribed only so far as necessary to determine the applicability of the English Text Books to the colony.)

SUBJECTS OF THE EXAMINATION FOR THE DEGREE OF DOCTOR OF LAWS TO BE HELD IN THE FIRST TERM, 1894, AND THE FIRST TERM, 1895.

ROMAN LAW—

- (1.) A general acquaintance with the History and Principles of Roman Law (Public and Private) to the death of Justinian.
- (2.) The Roman doctrine of *Possession* within the same period.

Books recommended (but not prescribed) :—

XII. Tables (surviving Fragments).	} Bound together in Gneist's <i>Syntagma Juris Romani</i> (Teubner, Leipzig).
Gaius. <i>Commentaries</i> .	
Justinian. <i>Institutes</i> .	
<i>Digest</i> . Bks. XLI. 2-10, XLIII.	
<i>Code</i> . VII. 32, VIII. 1.	
<i>Edict</i> . V. 5, VI. 2, XLIII. 16, 17, 24, 31, 33 (to be found in Pothier's edition of the <i>Pandects</i>).	
Savigny. <i>Recht des Besitzes</i> . (Trans. by Sir E. Perry.)	
Muirhead. <i>Roman Law</i> .	

(N.B.—It will be essential that Candidates shall show acquaintance with original texts.)

JURISPRUDENCE—

- (1.) A general acquaintance with the views of the leading English writers on Jurisprudence.
- (2.) The following special subjects :—
 - a. The nature and functions of customary law in primitive and advanced communities respectively.
 - b. The theories of the history of Property.

Books recommended (but not prescribed) :—

- Maine. *Ancient Law.*
 Early Law and Custom.
 Village Communities.
 Hearn. *Aryan Household.*
 Seebohm. *The English Village Community.*
 Blackstone. *Commentaries.* (Introduction.)
Essays in Anglo-Saxon Law. (Little, Brown and
 Co., Boston.)

PRINCIPLES OF LEGISLATION—**Delegated Legislation.****Authorities recommended (but not prescribed) :—**

- The Victorian Local Government Act 1890 and
 its Amendments.
 The English Local Government Act 1888.
 Bryce. *The American Commonwealth.* Vol. II.,
 chs. 48-52.

[Candidates are reminded that under the new Regulation of the Degree of Doctor of Laws they are entitled to present a thesis in some subject approved by the Faculty, instead of taking a written examination.]

F. STANLEY DOBSON,

SENIOR MEMBER OF THE FACULTY OF LAW.

2ND MAY, 1893.

FACULTY . OF MEDICINE.

DETAILS OF SUBJECTS AND RECOMMENDATIONS FOR THE ANNUAL EXAMINATIONS TO BE HELD IN THE EXAMINATION TERM, 1894.

NATURAL PHILOSOPHY, PART I.—

See page 55.

BIOLOGY, PART I.—

See page 52.

CHEMISTRY, PART I.—

See page 59.

PHYSIOLOGICAL CHEMISTRY AND HISTOLOGY—

Books recommended :—

Harris and Power—Manual for the Physiological
Laboratory.

Schäfer—Essentials of Histology.

Apparatus to be provided by Students :—

Physiological Chemistry—

Twelve test tubes, test-tube stand, retort stand,
platinum foil and wire, three Berlin dishes, three
beakers, sand bath, filter papers and funnels, six
small stoppered bottles, one dozen 2-oz. bottles.

Practical Histology—

Microscope, a pair of scissors, a pair of fine forceps,
two scalpels, needles mounted in handles, razor,
glass slides and thin cover-glasses, watch-glasses
(6), section lifters (2), labels, filter papers, a box or
cabinet for mounted specimens.

PHYSIOLOGY AND PRACTICAL PHYSIOLOGY—

Books recommended :—

For Pass.

Kirkes—Physiology, 12th edition.

For Honours.

Foster—Text Book of Physiology.

Landois and Stirling—Physiology.

JUNIOR DESCRIPTIVE AND SURGICAL ANATOMY
—(Second Year)—

The bones, ligaments and muscles, the elements of surgical anatomy relating to them, and their relations to the larger vessels and nerves.

Dissections.—During this year Students must dissect the whole body, but should pay special attention to the parts specified above.

Books recommended :—

Gray—Anatomy, Descriptive and Surgical.
Heath—Practical Anatomy.

And for reference :—

Morris—Anatomy of the Joints.

SENIOR DESCRIPTIVE AND SURGICAL ANATOMY
—(Third Year)—

The bones, including their development and growth ; the ligaments, muscles, blood-vessels, lymphatics, nerves and viscera, excluding microscopic anatomy. Topographical anatomy.

Applications of anatomy to medicine and surgery.

Dissections.—Certificates will be given to those Students only who shall have minutely and skilfully dissected the whole body.

Books recommended :—

Gray—Anatomy, Descriptive and Surgical.
Quain—Anatomy.
Ellis—Demonstrations of Anatomy.
Cunningham—Dissector's Guide.
Treves—Surgical Applied Anatomy.

REGIONAL AND APPLIED ANATOMY—(Fourth Year)—

Books recommended :—

Gray—Anatomy, Descriptive and Surgical.
Ellis—Demonstrations of Anatomy.
Treves—Surgical Applied Anatomy.
Owen—Manual of Anatomy.

PATHOLOGY—

The cell theory and the history of cells ; the laws of healthy nutrition and growth ; atrophy, gangrene, and death ; degenerations and infiltrations ; hypertrophy ; tumours ; congestion, active and passive ; inflammation and its results ; inflammation of the various tissues ; fever ; repair of injuries ; scrofula and tubercle ; syphilis ; thrombosis and embolism ; septicæmia and pyæmia ; dropsy ; jaundice ; hæmorrhage ; constitutional diseases ; micro-organisms ; the germ theory ; specific fevers ; parasites ; diseases of special organs ; the pathology of urine.

Books recommended :—

Green—Pathology and Morbid Anatomy.
Payne—Manual of General Pathology.
Wickham Legg—Guide to the Examination of the Urine.

And for reference :—

Ziegler—General and Special Pathological Anatomy, translated by Macalister.
D. J. Hamilton—Text Book of Pathology.
Klein—Micro-organisms and Disease.
Sims Woodhead—Practical Pathology.

MATERIA MEDICA, MEDICAL BOTANY, AND ELEMENTARY THERAPEUTICS—

The natural history, preparation, doses and actions of all the medicines officinal in the British Pharmacopœia. The most important non-official drugs. The characters of the more important Orders of Medicinal Plants. The chief adulterations of drugs. Incompatibilities. The art of prescribing medicines.

Books recommended :—

Mitchell Bruce—Materia Medica and Therapeutics.

And for reference :—

Lauder Brunton—Pharmacology, Therapeutics, and Materia Medica.
Bentley and Trimen—Medicinal Plants.

THERAPEUTICS, DIETETICS, AND HYGIENE—

Therapeutics—

General rules of treatment. Therapeutic meaning and requirements of the different functions and organs. The officinal drugs, their mode of action and uses. The more important non-officinal drugs, with their actions and uses. The therapeutics of air, climate, baths, mineral waters, massage, electricity, &c. Selected prescriptions.

References :—

- Mitchell Bruce—*Materia Medica and Therapeutics*.
 Lauder Brunton—*Pharmacology, Therapeutics, and Materia Medica*.
 Farquharson—*Guide to Therapeutics*.
 Martindale and Westcott—*The Extra Pharmacopœia* (latest edition).
 Wood—*Therapeutics*.
 Schmiedeberg—*Elements of Pharmacology*.

Dietetics—

The Physiology of Digestion. The Alimentary Principles, their classification, chemical relations, assimilation, and dietetic uses. The Dietaries of infants, children, adults, and the aged. The therapeutic dietaries of temperament, acute and chronic disease, and convalescence. The position of beverages, stimulants, and peptonised foods.

References :—

- Pavy—*Treatise on Food and Dietetics*.
 Von Ziemssen—*Handbook of General Therapeutics*, Vol. I.—*The Dietary of the Sick*.
 Fothergill—*Indigestion and Biliousness*.
 Lauder Brunton—*Disorders of Digestion*.

Hygiene—

Personal Hygiene.—Preliminary requirements of ill-balanced temperaments and constitutional weakness. Healthy development. Regulation of food, drink, clothing, exercise, and rest. Surroundings. Occupation. Marriage. An application of these principles to the health of individuals in Victoria.

Household and Urban Hygiene.—Topography. Private habitations and public buildings. Water supply. Air and ventilation. Drainage and sewerage. Disinfection. Quarantine. An application of these principles to the hygienic conditions existent in Victoria.

Legal Hygiene.—The State and its relations to health. Summary of the sanitary legislation of Victoria. Duties of medical officers of health. Vital statistics and expectancy of life in Victoria.

References :—

- Parkes—Practical Hygiene.
- Wilson—Handbook of Hygiene.
- Pridgin Teale—Dangers to Health.
- Corfield—Manual of Public Health.
- Husband—Forensic Medicine (portion styled "Medical Police").
- The Public Health Acts of Victoria.
- Other Acts referred to in the Course of Lectures.
- Reports, Instructions, and Publications of the Central Board of Health and Board of Public Health, Victoria.
- Hayter—Year-Book (latest edition).

OBSTETRIC MEDICINE AND DISEASES OF WOMEN AND CHILDREN—

Class books recommended :—

On Obstetric Medicine—

- Playfair—Science and Practice of Midwifery.
- Barnes—Obstetric Operations.
- Cazeaux and Tarnier—Theoretical and Practical Midwifery ; or
- Parvin—Science and Art of Obstetrics.

On Diseases of Women—

- Emmet—Principles and Practice of Gynæcology.
- Thomas—On the Diseases of Women.
- Hart and Barbour—Manual of Gynæcology ; or
- Thorburn—Practical Treatise on the Diseases of Women.

On Diseases of Children—

- Playfair—Science and Practice of Midwifery—(the chapter on the management of the newly-born infant).

Goodhart or West on Diseases of Children—(the chapters dealing with the management and the diseases of newly-born infants).

THEORY AND PRACTICE OF MEDICINE—

This course extends over two years.

Text books recommended :—

Roberts—Handbook of the Theory and Practice of Medicine ; or
Bristowe—Treatise on the Theory and Practice of Medicine ; or
Strümpell—Text Book of Medicine (translation).

As works of reference :—

Aitken—Science and Practice of Medicine.
Hilton Fagge—Principles and Practice of Medicine.
Reynolds—System of Medicine.

FORENSIC MEDICINE AND PSYCHOLOGICAL MEDICINE—

Necroscopies : the rules and conditions under which they should be conducted. Signs of death. The phenomena of decomposition. Causes of death demanding inquiry. Different modes of death and the agencies of their production. The identity of mutilated bodies. The Biothanatology of new-born Children. Sexual questions. Disputed pregnancy. Toxicology. Life Insurance. The duties and liabilities of Medical Men as witnesses. Insanity.

Class books recommended :—

Casper—Forensic Medicine.
Taylor—Principles and Practice of Medical Jurisprudence (last edition).
Taylor on Poisons.
Guy and Ferrier—Forensic Medicine.
Greenwood—Handbook of the Law relating to Medical Men.
Tidy—Legal Medicine.
Maudsley—Physiology of Mind.
Maudsley—Pathology of Mind.
Savage—Insanity and Allied Neuroses.

SURGERY—

The course extends over two years.

The following books are recommended :—

- Erichsen—Science and Art of Surgery.
- Manual of Surgery, edited by Treves.
- Smith and Walsham—Operative Surgery on the Dead Body.
- Treves—Surgical and Applied Anatomy.
- Treves—Handbook of Surgical Operations.
- Gould—Elements of Surgical Diagnosis.

Students are also advised to consult the System of Surgery edited by Holmes, and Bryant's Practice of Surgery.

BEANEY SCHOLARSHIP IN PATHOLOGY.

Facilities will be afforded to candidates for this scholarship who desire, during the fifth year of the course, to pursue their practical studies in pathological histology and bacteriology.

EXAMINATIONS FOR DEGREES OF DOCTOR OF MEDICINE AND MASTER OF SURGERY TO BE HELD IN THE FIRST TERM, 1895.

DOCTOR OF MEDICINE.

Candidates for the Degree of M.D. are recommended to study the following works in addition to those prescribed for the courses of Theory and Practice of Medicine and of Obstetric Medicine and Diseases of Women and Children :—

- Blandford—Insanity.
- Mill—Logic, Books III. and IV.
- Maudsley—Physiology of Mind.
- Foster—Text Book of Physiology.

MASTER OF SURGERY.

LOGIC.—

Mill's Logic, Books III. and IV.

SURGICAL ANATOMY—

Gray—Anatomy, Descriptive and Surgical.
Treves—Surgical Applied Anatomy.

SURGICAL PATHOLOGY—

Green—Pathology and Morbid Anatomy.
Bowlby—Surgical Pathology.

In addition to the ordinary surgical text books.

The oral examination will include the examination of
macroscopic and microscopic specimens.

By order of the Faculty of Medicine,

GEORGE B. HALFORD,

DEAN.

5TH MAY, 1893.

FACULTY OF ENGINEERING.

DETAILS OF SUBJECTS AND RECOMMENDATIONS FOR THE ANNUAL EXAMINATIONS TO BE HELD IN THE EXAMINATION TERM, 1894.

SURVEYING, LEVELLING, MENSURATION, AND DRAWING—

Construction, adjustment, and use of surveying instruments.

Methods of ranging out straight lines and curves.

Surveying and subdivision of public and private lands.

Determination of the true meridian.

Topographical surveying.

Trial and permanent surveys for engineering works
(Methods of conducting).

Underground surveying. Mensuration.

Barometric and thermometric determination of heights.

Each candidate will be expected to produce a plan and field notes of a survey embracing forty acres. The land to be surveyed will be pointed out by the Lecturer on Surveying.

Books recommended :—

Johnson—Theory and Practice of Surveying.

B. Brough—Treatise on Mine Surveying.

Candidates are recommended to peruse the transactions of the Victorian Institute of Surveyors, and the papers by Messrs. Brough and Kennedy on Tacheometry, in vols. 91 and 99 of the "Transactions of the Institution of Civil Engineers." They should make themselves conversant with the regulations for the guidance of surveyors issued by the Titles Office and the Lands and Mining Departments of the colony.

ADVANCED SURVEYING—

The selection of harbours and township sites, the laying out of towns, the selection of sites for parks, cemeteries, abattoirs, noxious trades, and sewage farms.

The selection of lines of road and railway on flat, undulating, or mountainous districts.

Determination of gradients in view of facility of draught, economy of construction, and efficiency of drainage. The determination of the waterway of bridges and culverts. Stream gauging. Hydraulic calculations. The selection of reservoir sites, pipe tracks, and lines of channel, and the modes of surveying and setting out the same.

Hydrographic surveying. Geodesy.

The following works are recommended :—

Gillespie's Higher Surveying, Parts VII. and VIII.

Rankine's Civil Engineering, articles 71 to 80, 414, 443 to 462.

Johnson's Theory and Practice of Surveying, chapters ix., x., xiv., and xv.

Wellington's Railway Location.

Box's Practical Hydraulics.

Hamilton Smith's Hydraulics.

Jackson's Hydraulic Manual.

A. R. Clarke's Geodesy.

Wharton's Hydrographic Surveying.

Gribble's Preliminary Survey and Estimates.

MECHANICAL DRAWING AND DESCRIPTIVE GEOMETRY—

Elementary problems on lines and planes.

The drawing of plans, elevations, and sections of machines and of engineering and architectural structures. The theory and practice of perspective and of isometrical projection. The projections of maps.

Instruction will be given in projection, isometrical perspective, &c. The Students will be required to copy drawings of engineering works, and also to make working drawings of various pieces of mechanism which will be provided for this purpose.

Book recommended :—

J. B. Millar's Elements of Descriptive Geometry.

APPLIED MECHANICS—

1. The stability of piers, chimneys, dams, and retaining walls.
2. Bending moments, shearing forces, moduli of sections, and moments of resistance of beams.

3. Stresses in framework structures determined by calculation and by graphic statics.
4. The ultimate and working strength and proportions of columns, tension members, and their connections.
5. The stresses in arches, domes, suspension bridges, and hollow shells exposed to internal or external pressure.
6. The elastic behaviour of structures.
7. The testing of materials.

Books recommended :—

Stoney on Stresses.
 Bow's Economics of Construction.
 Weyrauch's Structures of Iron and Steel.
 Burr on Stresses in Bridge and Roof Trusses.
 Wray's Instruction in Construction.
 Box's Strength of Materials.
 Claxton-Fidler on Bridge Construction.
 Unwin on the Testing of Materials of Construction.

CIVIL ENGINEERING, PART I.—

Earthwork : Cuttings and tunnels in various materials and at different angles of stratification. Appliances and machinery for excavating and transporting rock and earth. The use of explosives. Embankments for roads, railways, and reservoirs.

Timber : The properties of the various kinds of timber used in construction and the defects they are liable to ; seasoning ; pile driving ; joints ; timber structures.

Metals : The manufacture of cast iron, wrought iron, steel, copper, and lead ; foundry work ; smith's work ; turning, boring, planing, shaping, and fitting ; constructive details of roofs, bridges, &c.

Masonry and brickwork : The properties, defects, and mode of quarrying various kinds of stone. The properties, defects, and mode of manufacture of artificial stones and bricks ; definitions of the various classes of masonry and brickwork ; precautions necessary to secure good work. The manufacture and mode of testing limes and cements. The preparation and properties of mortar and concrete.

Books recommended :—

Rankine's Civil Engineering.
 Humber on Iron Bridges.
 Drinker on Tunnelling.
 Greenwood on Iron and Steel.
 Spretson on Casting and Founding.
 Building Construction (Rivington's).
 Waddell on Ordinary Highway Bridges.
 Shelley on Workshop Appliances.

CIVIL ENGINEERING, PART II.—

Roads : Clearing, grading, and forming. Macadam's and Telford's systems of road making. Selection and preparation of materials. Roads in sandy ground and on wet clay. Maintenance of roads.

Streets : Metalling, pitching, asphalt and wood paving ; kerbing, channelling, and footpaths. Cleaning and maintenance.

Tramways : Horse, steam, cable, and electric tramways.

Railways : Historical sketch ; the economic location of railways ; gradients and curves ; permanent way ; points and crossings ; the arrangement of station yards ; signals ; interlocking apparatus ; locomotives ; rolling stock ; brakes ; railway management and finance.

Harbour works : Lighthouses and lightships, breakwaters, piers, jetties, docks, dock gates, and caissons ; pumping machinery for graving docks ; cranes.

Books recommended :—

Gillespie on Roads.
 Fairchild's Street Railways.
 Railways of England—Ackworth.
 Barry's Railway Appliances.
 Forney's Catechism of the Locomotive.
 Zerah Colburn on the Locomotive.
 Reynolds on Continuous Brakes.
 Vernon Harcourt on Harbours and Docks.

DRAWING AND QUANTITY SURVEYING.

This subject will be treated in connection with Civil Engineering, Part I. Students will be required to make drawings and calculate the quantities in various pieces of Engineering or Architectural work.

MECHANICAL ENGINEERING —

1. Kinematical investigations relating to motions of shafts, pulleys, cogged wheels, cranks, eccentrics, connecting rods, coupling rods, cams, levers, and parallel motions.
2. The determination by calculation and experiment of the power and efficiency of trains of mechanism subject to friction.
3. The detailed design and calculation of strength of bearings, shafts, cogged wheels, pulleys for ropes or belts, and other parts of machinery.
4. The design of steam boilers for stationary, locomotive, and marine engines. The mode of determining their duty and efficiency.
5. The design of steam engines of various kinds, and the mode of practically testing their power and efficiency by means of the indicator and dynamometer.
6. Hot air engines and gas engines.
7. Centrifugal and other pumps, hydraulic lifts, presses, and accumulators.
8. The most usual types of dynamo-electric machines, and other appliances connected with electric lighting and transmission of power.

Books recommended :—

Unwin's Machine Design.
 Kennedy's Mechanics of Machinery.
 Holmes's Steam Engine.
 Weisbach (Dubois)—Mechanics of Engineering :
 Vol. II., Part I., Hydraulics and Hydraulic
 Motors ; Vol. III., Part I., sections 1 and 2,
 Machinery of Transmission.
 Rankine's Steam Engine.
 Rankine's Machinery and Millwork.
 Cotterill—The Steam Engine considered as a Heat
 Machine.
 Macgregor on the Gas Engine.
 Dugald Clark on Gas Engines.
 Nelson Foley's Mechanical Engineer's Reference
 Book.
 Robinson's Gas and Petroleum Engines.
 Robinson's Hydraulic Power and Hydraulic
 Machinery.
 Thompson, S. P.—Dynamo-Electric Machinery.

HYDRAULIC AND SANITARY ENGINEERING—

I.—HYDRAULIC ENGINEERING.

1. The equilibrium and motion of fluids.
2. The collection of data :—Population, nature of settlement, rainfall and stream discharge, feature and locality plans, levels of districts, borings and trial shafts, materials and prices, analyses of water and soil.
3. General principles of design.
4. Special considerations affecting the design of works, including materials and workmanship.
5. Details of works :—
 - (a) *Headworks*—The construction of storage and service reservoirs ; dams in earthwork, masonry, and concrete ; weirs, bywashes and outlet works, valves and valve towers, settling tanks and filter beds, supply tanks and towers
 - (b) *Works of Conveyance*—The construction of channels, flumes, and inverted siphons, sluice gates, slopes, and irrigation outlets.
 - (c) *Works of Distribution*—The manufacture, testing, and laying of cast iron, wrought iron, and steel pipes, air valves, stop valves, fire plugs, scour valves, reflux and self-acting throttle valves, water meters and methods of measurement of water ; the preparation of land for irrigation.
6. The preparation of reports.
7. The detailed design and preparation of plans, specifications, and estimates for large schemes of works, such as :—
 - (a) House water supply.
 - (b) Irrigation works.
 - (c) The drainage of land.

II.—SANITARY ENGINEERING.

1. Statement of the general problem of sanitary engineering.
2. Methods of disposal of house drainage, solid refuse, and nightsoil.
3. Collection of data :—Population, nature of settlement, rainfall of districts ; household, factory, and street drainage ; feature and locality plans, levels of districts, drainage areas, areas subject to special pollution, subsoil water, borings and trial shafts, materials and prices.

4. Considerations affecting the design of sewerage scheme.
5. The sewerage of towns, including the construction of sewers and house drains, the ventilation of sewers, flushing arrangements of sewers, the construction of manholes, gullies, &c., traps, subsoil drains, the drainage of houses.
6. Sewage disposal.
7. The preparation of reports.
8. The detailed design of sewerage schemes.
9. The ventilation of buildings.

Books recommended for reference :—

Humber on Water Supply.
 Box's Practical Hydraulics.
 Hamilton Smith's Hydraulics.
 The published reports of the Victorian Water Supply Department.
 Mr. Mansergh's Report on the Sewerage of Melbourne.
 Staley on the Separate System.
 W. Santo Crimp on Sewage Disposal.
 Wegmann on Masonry Dams.
 Harcourt on Rivers and Canals.

MINING—

1. Mining Terms. Classification of auriferous quartz reefs or veins : 1. Regular reefs. 2. Irregular vein formations. 3. Cross reefs. 4. Veins in dykes. 5. Veins in granite. Modes of occurrence of gold in reefs or veins. Lava dykes, slides, flat floors, and faults. Intersections of reefs.
2. Auriferous drift deposits—shallow and deep. Nuggets.
3. Modes of occurrence of useful minerals. Lodes, seams, impregnations, and superficial deposits.
4. Prospecting for useful metal and mineral deposits. Shoading, trenching, costeaning. Boring by diamond drill and other appliances.
5. Breaking ground, &c. Contracts underground. Tools employed. Explosives, methods of blasting.
6. Opening of metal and mineral deposits. Tunnels, shafts, levels, cross-cuts, &c.
7. Exploitation or the working of metal and mineral deposits. Hydraulicing, quarrying, &c.

8. Modes of securing excavations by timbering, building, tubbing, and stowing.
9. Conveyance, cages, trainways, waggons; inclined planes.
10. Man engines, safety cages, ladders, safety hooks, &c.
11. Draining mines of water by adits, pumps, and tanks; pit work; construction of underground dams.
12. Lighting underground workings. Electric light, safety lamps and candles, &c.
13. Ventilation of mines, natural and artificial; fans, blowers, furnaces, air-pumps, &c.
14. Crushing machinery, amalgamators, concentrators, Treatment of auriferous pyrites. Ore-dressing machinery.
15. Construction of mining plans and sections.

The following works are recommended :—

Lock's Gold : its Occurrence and Extraction.
 Eissler's Metallurgy of Gold and Silver.
 W. W. Smyth's Coal and Coal Mining.
 Goldfields and Mineral Districts of Victoria.
 Andre's Practical Treatise on Coal Mining.
 Collins's Metal Mining and Coal Mining.

METALLURGY—

The physical and chemical properties of the following metals, their chief compounds and alloys, their ores, and the chief methods of detection, of assay, and of extraction on the large scale :—Sodium, magnesium, aluminium, zinc, cadmium, tin, arsenic, antimony, bismuth, iron, nickel, copper, mercury, lead, silver, gold, platinum.

Candidates for Honours will be expected to show a thorough knowledge of the chemistry and of the technical details of the methods in use for extracting the above metals from their ores, and to perform assay exercises in the Laboratory.

Text books :—

Makins's Manual of Metallurgy ; and (for consultation)—Bloxam's Metals ; Phillips's Elements of Metallurgy ; and Mitchell's Manual of Assaying.

ARCHITECTURE—

Historical sketch of Egyptian, Assyrian, Greek, Roman, Romanesque, Byzantine, Gothic, Renaissance, and Modern architecture, illustrated by reference to existing buildings.

The planning of private houses, business premises, churches, public buildings, hospitals, &c.

The constructive details of buildings; specifications and contracts; arrangements for lighting, warming, ventilation, and drainage.

The requirements of the Board of Public Health, of the Building Acts, and the Metropolitan Board of Works.

Text books :—

Architectural Drawing, by Phené Spiers.

Building Construction, by Burrell.

Advanced Building Construction (Longmans).

House Drainage, by G. A. T. Middleton.

Antiquities of Athens, by Stuart and Revett.

Architecture, Classic and Early Christian, by Roger Smith.

Architecture, Gothic and Renaissance, by Roger Smith.

Introduction to Gothic Architecture, by J. H. Parker.

Books for consultation :—

Ferguson's History of Architecture, Ancient, 2 vols.
Modern, 2 vols.

Kerr's English Gentleman's House.

Building Construction (Rivingtons), 4 vols.

All fourth-year students are recommended to peruse the Transactions of the Institution of Civil Engineers, London, and the current numbers of the "Engineer" and "Engineering."

Students in Architecture should peruse the current numbers of the "Builder," "Building News," and "Architect."

Students in Civil Engineering, Part I., will be expected to hand in at the examination an original design, with brief specification, of a simple structure, such as a small timber or brick culvert or bridge, a fence with gates for foot passengers and vehicles, or some other work of about equal difficulty.

Students in Civil Engineering, Part II., will be expected to hand in an original design, with full specification and estimate, of a more complex structure, such as an iron bridge with brick or stone abutments, or a moderately large stone or brick bridge of several spans, a breakwater, or a graving dock with caisson.

Students in Mechanical Engineering will be expected to hand in an original design of some piece of mechanism of a kind approved of by the Lecturer.

Students in Hydraulic and Sanitary Engineering entering for honours, and candidates presenting that subject for the degree of M.C.E., will be expected to hand in an original design, with plans, specifications, and detailed estimates, for one of the schemes mentioned in Section I., clause 7, or Section II., clause 8, or a similar scheme of a kind previously approved by the Faculty of Engineering.

Students in Architecture will be expected to hand in an original design and specification of an architectural building of a kind approved by the Lecturer.

Excursions will be made during Term to various engineering and architectural works and manufacturing establishments. Students will be expected to attend these excursions, and to take notes of what they inspect. Questions may be set at the examinations upon the objects inspected at these excursions.

ENGINEERING LABORATORY.

Demonstrations will take place in the Engineering Laboratory at such times as may be arranged and notified.

These demonstrations will be for the purpose of investigating the strength, elasticity, and ductility of the various materials used in construction, the properties of lime, cement, mortar, and concrete, the power and efficiency of engines, and the efficiency of machinery of transmission. Students will be expected to take part in these demonstrations, and to take notes and work out the results.

Arrangements will be made, as opportunity offers, for the testing of large steam engines and boilers in actual use for commercial purposes. In this work the students will be asked to take part.

The appliances of the Laboratory comprise a testing machine of 100,000 lbs. power, provided with autographic stress-strain diagram apparatus, extensometer, vernier calipers, &c., a complete cement-testing plant, two gas engines, indicator, dynamometer, tachometer, lathes, shaping, drilling, and other machines requisite for the preparation of test pieces and the construction of experimental apparatus.

By order of the Faculty of Engineering,

W. C. KERNOT,

DEAN.

10TH MAY, 1893.

MUSIC.

DETAILS OF SUBJECTS AND RECOMMENDATIONS FOR THE ANNUAL EXAMINATIONS TO BE HELD IN THE EXAMINATION TERM OF 1894.

BACHELOR OF MUSIC.

FIRST YEAR.

HARMONY—

Definitions of all terms employed therein. Nature of scales, consonance, dissonance. Intervals. Tonality. Common chords. Chords of seventh, ninth, eleventh, thirteenth. Fundamental chords. Keys and their relationships. General laws of Part-writing. Diatonic triads. Sequences. Inversions of chords. Modulation. Passing notes. Anticipations. Chromatic triads. Suspensions. Pedals. Various chords of the 6th. Cadences.

COUNTERPOINT—

Definition of terms. Five species of two and three part counterpoint. Free counterpoint in three parts, on free subjects.

FORM AND ANALYSIS, ELEMENTARY—

Accent, metre, rhythm, figure. Sonata forms (primary, binary, variation, and Rondo). Analysis of the following works of Mozart and Beethoven:—Mozart's Pianoforte Sonatas, Nos. 1, 3, 5, 7, 8, 12, 18; Beethoven's Sonatas, 1-10.

COMPOSITION, ELEMENTARY—

A harmonized melody in any form must be composed. The nature of the composition is left to the choice of each Candidate.

FUNDAMENTAL LAWS OF EXPRESSION—

Natural and artificial accents of rhythm, of pitch, or degrees of loudness, and of harmony.

INTERPRETATION OF SPECIFIED WORKS—

The phrasing and emotional rendering of the following works :—Mozart's P.F. Fantasia-Sonata, No. 18; Beethoven's P.F. Sonatas Op. 2, No. 1, Op. 10, No. 1, Op. 13. Schubert's Song Cycle "Die schöne Müllerin," and Symphony in B minor.

ÆSTHETICS OF MUSIC—

The probable origin of music. Its connection with the emotions. The functions of music.

SECOND YEAR.

HARMONY, PRACTICAL AND THEORETIC—

Theoretic basis of Harmony (the Harmonic Series).
The harmonization of melodies.

COUNTERPOINT, CANON AND FUGUE, IN FOUR PARTS—

All species, strict and free. Double counterpoint in the octave.

FORM AND ANALYSIS—

All musical forms used by the Great Masters. Analysis of the following works by Beethoven :—Sonatas Op. 26; 27, No. 2; 28; 53; 57; 90; Symphonies E flat and C minor. Quartett, No. 9, Op. 59. Overture to Egmont. The forms developed by Wagner. Dramatic form.

COMPOSITION—

Writing for string quartett and choral composition. Each Candidate will have to present two compositions, one of each class, at the examination.

FUNDAMENTAL LAWS OF EXPRESSION.

INTERPRETATION OF SPECIFIED WORKS—

The following works by Beethoven, with regard to phrasing, emotional rendering, balance of tone :—Symphonies—E flat Op. 55, C minor Op. 67, F Op. 68. Overture to Leonore, No. 3. Quartetts—No. 9 Op. 69; C sharp minor Op. 131; Schubert's Scwhanengesang.

HISTORY AND ÆSTHETICS OF MUSIC.

ELEMENTARY ACOUSTICS—

The Theory of Sound in its relation to Music, by Professor Blaserna (International Scientific Series).

THIRD YEAR.

HARMONY AND COUNTERPOINT—

Analysis of Wagner's harmonic inventions.

Counterpoint in four, five, and six parts, simple and double, strict and free.

CANON AND FUGUE—

Strict and free.

FORM AND ANALYSIS—

The form of Wagner's later works, and its connection with the form of Bach and Beethoven.

COMPOSITION—

A work composed by the Candidate, for solo voices, chorus, and orchestra, must be presented for examination.

INSTRUMENTATION AND ORCHESTRATION—

The nature and compass of the various instruments and their employment as emotional agents in the scores of the Great Masters.

The systematic development of orchestration with regard to the division of instruments into groups and sub-sections.

INTERPRETATION OF SPECIFIED WORKS—

Beethoven's Ninth Symphony, Wagner's Dramatic Works, Bach's Works, Beethoven's later Quartetts.

HISTORY AND ÆSTHETICS OF MUSIC—

The developments of sonata, symphony, song, and drama.

The development of the emotional element in music.

PLAYING ON THE PIANOFORTE FROM SCORE—

Candidates will be expected to read at sight from the orchestral scores of Mozart or Haydn and from Vocal Scores.

THE GERMAN LANGUAGE—

Translation at sight from German into English.

In presenting any composition the Candidate will be required to make a written declaration that it is his own unaided work.

DIPLOMA OF MUSICAL ASSOCIATE.

FIRST YEAR.

HARMONY—

Definitions of all terms employed therein. Nature of scales, consonance, dissonance. Intervals. Tonality. Common chords. Chords of seventh, ninth, eleventh, thirteenth. Fundamental chords. Keys and their relationships. General Laws of Part-writing. Diatonic triads. Sequences. Inversions of chords. Modulation. Passing notes, Anticipations. Chromatic triads. Suspensions. Pedals. Various chords of the 6th. Cadences.

COUNTERPOINT—

Definition of Terms. Five species of two and three part counterpoint. Free counterpoint in three parts, on free subjects.

FORM AND ANALYSIS—

Accent, metre, rhythm, figure. Sonata forms (primary, binary, variation, and Rondo). Analysis of the following works of Mozart and Beethoven:—Mozart's Pianoforte Sonatas, Nos. 1, 3, 5, 7, 8, 12, 18. Beethoven's Sonatas, 1-10.

FUNDAMENTAL LAWS OF EXPRESSION—

Natural and artificial accents of rhythm, of pitch, of degrees of loudness, and of harmony.

INTERPRETATION OF SPECIFIED WORKS—

The phrasing and emotional rendering of the following works:—Mozart's P.F. Fantasia-Sonata No. 18; Beethoven's P.F. Sonatas Op. 2, No. 1, Op. 10, No. 1, Op. 13; Schubert's Song Cycle "Die Schöne Müllerin," and Symphony in B minor.

ÆSTHETICS OF MUSIC—

The probable origin of music. Its connection with the emotions. The Functions of music.

CHIEF STUDY—

The Candidate may select any one of the following subjects for examination :—

- (a) Composition.—A harmonized melody in any form must be composed. The nature of the composition is left to the choice of each Candidate.
- (b) The Pianoforte.
- (c) The Organ.
- (d) The Voice (Singing).
- (e) Any Orchestral Instrument.

Candidates will be examined in works from the Great Masters.

SECOND STUDY—

Must be a wind instrument (except in the case of physical disability, duly certified by medical authority), unless such have already been taken as First Study, in which case it may be any other instrument or composition.

SECOND YEAR.**HARMONY—PRACTICAL AND THEORETIC—**

The harmonization of melodies.

COUNTERPOINT, IN FOUR PARTS—

All species.

FORM AND ANALYSIS—

All musical forms used by the Great Masters. Analysis of the following works by Beethoven :—Sonatas, Op. 26 ; 27, No. 2 ; 28 ; 53 ; 57 ; 90 ; Symphonies, E flat and C minor. Quartett, No. 9, Op. 59. Overture to Egmont. The forms developed by Wagner. Dramatic form.

FUNDAMENTAL LAWS OF EXPRESSION.

INTERPRETATION OF SPECIFIED WORKS—

The following works by Beethoven with regard to phrasing, emotional rendering, balance of tone:—
Symphonies, E flat, Op. 55; C minor, Op. 67; F, Op. 68. Quartetts, No. 9, Op. 59; C sharp minor, Op. 131. Schubert's *Schwanengesang*. Beethoven's overture to *Leonore*, No. 3.

HISTORY AND ÆSTHETICS OF MUSIC.

CHIEF STUDY—

If Composition: Writing for string quartett and choral composition. Each Candidate will have to present two Compositions, one of each class, at the examination—Counterpoint, Canon and Fugue, in four parts.

If any Instrument or the Voice: The performance of works from the Great Masters.* Reading at sight and Transposition.

SECOND STUDY—

The performance of some work.* Reading at sight.

THIRD YEAR.

COUNTERPOINT, CANON AND FUGUE, IN FOUR PARTS—

All species, strict and free. Double counterpoint in the octave.

HARMONY—

Analysis of Wagner's harmonic inventions.

FORM AND ANALYSIS—

The form of Wagner's later works, and its connection with the form of Bach and Beethoven.

INTERPRETATION OF SPECIFIED WORKS—

Beethoven's Ninth Symphony, Wagner's *Dramatic Works*, Bach's Works, Beethoven's later Quartetts.

HISTORY AND ÆSTHETICS OF MUSIC—

The developments of sonata, symphony, song, and drama. The development of the emotional element in music.

[* In each of these cases the Candidate will submit a list or a work for approval to the Ormond Professor of Music.]

CHIEF STUDY—

If Composition : A work composed by the Candidate for solo voices, chorus, and orchestra must be presented for examination, together with

INSTRUMENTATION AND ORCHESTRATION—

The nature and compass of the various instruments, and their employment as emotional agents in the scores of the Great Masters.

The systematic development of orchestration with regard to the division of instruments into groups and sub-sections.

AND COUNTERPOINT—

In four, five and six parts, simple and double, strict and free.

If an Instrument : Performance of specified works.*
Reading at sight and Transposition.

SECOND STUDY—

The performance of some specified work.* Reading at sight.

THIRD STUDY—

An elementary knowledge of some one other instrument will be required.

**PRELIMINARY EXAMINATION FOR CANDIDATES
FOR THE DEGREE OF BACHELOR OF MUSIC,
AND DIPLOMA OF MUSICAL ASSOCIATE.**

ELEMENTS OF MUSIC—

Keys. Staffs. Clefs (Treble or G Clef, Alto and Tenor Clefs, and Bass Clef). Names of notes and their form and value. Rests. Dotted notes and rests. The Tie or Bind. Triplets. Bars. Time and Accent. Double bars. Marks for repetition.

[*In each of these cases the Candidate will submit a list or a work for approval to the Ormond Professor of Music.]

Sharps and flats. Various marks of expression, tone, &c. (legato, staccato, emphasis). Syncopation. Apoggiaturas, turns, shakes, &c. Intervals. Major and minor keys. Scales.

ELEMENTARY PIANOFORTE PLAYING—

Scales. Arpeggios. Slow and quick movement from works of any of the following composers :—J. S. Bach, Emmanuel Bach, Mozart, Schubert, Schumann, Brahms, Beethoven.

ELEMENTARY ORGAN PLAYING

PLAYING ON ANY ORCHESTRAL INSTRUMENT }

A slow and quick movement selected by the Candidate and submitted for approval to the Examiner.

SINGING —

A vocal work of Haydn, Mozart, Beethoven, Schubert, Schumann, Brahms, or Wagner ; or from any other composer, provided that the approval of the Examiner be first obtained.

By order of the Professorial Board,

EDWARD E. MORRIS,

PRESIDENT.

10TH MAY, 1893.

THE SHAKESPEARE SCHOLARSHIP.

SUBJECTS OF EXAMINATION—1895.

- I. A general knowledge of the writings of Shakespeare.
- II. A minute knowledge of the following plays :—
 - Love's Labour's Lost.
 - Henry IV., Part I.
 - Julius Cæsar.
- III. The Life and Times of Shakespeare.
- IV. An Essay—not to exceed in length 15 pages of Macaulay's Essays, 8vo edition—on "Shakespeare's Personality as Gathered from his Works;" or,
A Poem in English Verse—not to exceed 80 lines—
Subject—"Shakespeare's England."

The Essays or Poems must be sent in before the first Wednesday in the Fourth Term, 1895.

THE WYSELASKIE SCHOLARSHIPS.

These Scholarships are open for competition in the Examination Term after the following dates, being in each case five years from the Matriculation of the scholar :—

1. MATHEMATICS.—21st February, 1894.
2. NATURAL SCIENCE.—4th March, 1894.
3. ENGLISH CONSTITUTIONAL HISTORY.—15th March, 1893.
4. POLITICAL ECONOMY.—20th February, 1894.
5. MODERN LANGUAGES.—17th March, 1893.
6. CLASSICAL AND COMPARATIVE PHILOLOGY AND LOGIC.—21st February, 1894.

THE "ARGUS" SCHOLARSHIP.

This Scholarship is awarded at the Final Honour Examination in the School of Engineering, in alternate years with the Stawell Scholarship. It was first open in the year 1873.

THE "STAWELL" SCHOLARSHIP.

This Scholarship is awarded at the Final Honour Examination in the School of Engineering, in alternate years with the *Argus* Scholarship, and was first open in the year 1886.

THE PROFESSOR KERNOT SCHOLARSHIPS.

These Scholarships were founded in the year 1887 for the encouragement of the study of Natural Philosophy and Chemistry, and are to be awarded in alternate years, the Scholarship in Natural Philosophy commencing in 1889, and that for Chemistry in 1890.

THE "W. T. MOLLISON" SCHOLARSHIPS.

These Scholarships were founded in the year 1887 for the encouragement of the study of French, Italian, German, or some living Oriental language. The Scholarships are open to every Matriculated Student who is not less than 17 nor more than 21 years of age, and are to be awarded at the following dates :—

1889, and every third year thereafter, for French.

1890, and every third year thereafter, for Italian.

1891, and every third year thereafter, for Arabic, Persian, or Hindostanee, but if there be no candidate, then the subject of the Scholarship for that year shall be German.

THE PROFESSOR WILSON PRIZE.

This Prize was first awarded at the University commencement in the year 1886, and is awarded annually to the Second Year Student who stands highest in the combined results of his First and Second Year Honour Examinations in the subjects of Mathematics and Natural Philosophy.

THE BOWEN PRIZE.

Subject for 1894 :—"The Exclusion of Aliens."

COMMISSIONS IN THE BRITISH ARMY.

The Regulations under which Commissions in the British Army may be obtained by Students of this University will be found on page 337 of the University Calendar, 1893.

The following are the subjects of the *Literary Examination* referred to in Number Eleven of the Regulations :—

- I.—(1) Arithmetic. (2) Algebra. (3) Geometry. (4) French or German. (5) Geography.

These subjects must be passed at some Matriculation Examination, but if the candidate has passed any or all of them previous to his Matriculation he will not be required to pass such subject or subjects a second time.

- II.—(1) Writing English correctly, and in a good legible hand, from dictation.
(2) English Composition, tested by the power of writing an essay, letter, or précis.

The candidate will not be required to pass this Examination if he has passed in English at some Matriculation Examination.

- III.—The elements of geometrical drawing, including the construction of scales and the use of simple mathematical instruments.

Greater importance will be attached to neatness and exactness of drawing than to ability to solve geometrical problems.

- IV.—Freehand Drawing.

- V.—Pure Mathematics, Part I., and one of the following subjects :—

Greek, Part I.

Latin, Part I.

History of the British Empire, Part I.

French.

German.

The first three of these subjects are in the first year and the last three in the second year of the course for the Degree of Bachelor of Arts.

N.B.—A candidate for a Commission in the British Army must be a Matriculated Student of this University, and must have resided in Victoria for a period of three years previous to application for nomination.

ANNUAL REPORT, 1892-93.

REPORT OF THE PROCEEDINGS OF THE UNIVERSITY, FROM THE 1ST OF AUGUST, 1892, TO THE 31ST OF JULY, 1893.

TO HIS EXCELLENCY THE RIGHT HONOURABLE JOHN ADRIAN
LOUIS, EARL OF HOPETOUN, G.C.M.G., GOVERNOR OF THE
COLONY OF VICTORIA, AND VICE-ADMIRAL OF THE SAME.

The University of Melbourne,
1st August, 1893.

MY LORD,—

I do myself the honour to transmit the following Report of the Proceedings of the University of Melbourne, which, according to the "University Act, 1890, section 27," is to be made to Your Excellency by the Council.

I.—UNIVERSITY MEETINGS.

Since the last Report, the following meetings have been held :—

The Council	...	...	...	...	21
The Senate	...	...	...	...	3
The Finance Committee of the Council					12
The Professorial Board	...	...	...	...	15
The Faculty of Law	...	...	...	...	7
The Faculty of Medicine	...	...	...	...	8
The Faculty of Engineering	...	...	...	...	8

II.—MATRICULATION EXAMINATIONS.

Since the last Annual Report 1,697 Candidates have presented themselves for the Matriculation Examination, of whom 570 passed.

The following Table gives the number of Candidates who presented themselves this year, and who passed the Matriculation Examinations :—

Term.				Full Number of Candidates for Examination.	Number who presented themselves for Matriculation Examination.	Number who passed Matriculation Examination.
Fourth Term, 1892-3	..	..	..	1,137	1,028	375
First Term, 1893-4	..	..	..	570	517	195
Total	..	..	..	1,697	1,545	570

CLASS LISTS.

November, 1892.

GREEK AND LATIN.

First Class (in Order of Merit).

Allen, Horace William
Winneke, Henry

Second Class (in Order of Merit).

Law, William Gavin } equal.
Miller, Lionel Findon }
Fisken, Cecil Herbert.
Cade, David Duncan.
Blackburne, George Hugh Spencer.

Third Class (in Alphabetical Order).

Brentnall, Thomas Stanley.
Curler, Frederick Charles Patrick.
MacRoberts, Andrew Hamilton.
McComas, John Wesley.
McPhee, Robert George.
Wilkinson, Thomas.

The Exhibition is awarded to—
Horace William Allen.

ALGEBRA, GEOMETRY, AND TRIGONOMETRY.

First Class (in Order of Merit).

Bevan, Penry Vaughan.	} equal.
Murdoch, Thomas	
Stillwell, Effie	
Aickin, James Lee	

Second Class (in Order of Merit).

Golding, Albert.
McLaren, Samuel Bruce.
Winneke, Henry } equal.
Ross, George Percy }
Hatfield, Alfred William.
MacRoberts, Andrew Hamilton.
Wilson, John Sydney.
Jenkinson, Sydney Hartley.

Third Class (in Alphabetical Order).

Baldwin, Joseph Mason.
Collis, Oliver James.
Docker, William Donald.
Nowlan, Daniel Aloysius.
Wilkinson, Thomas.

The Exhibition is awarded to—
Penry Vaughan Bevan.

ENGLISH AND HISTORY.

First Class (in Order of Merit).

Plante, Ada May.	} equal.
Daniell, Mabel Alice Gray	
Belcher, Charles Frederic	
Bowman, Ellen.	
Marshall, John.	

Second Class (in Order of Merit).

Gill, Henrietta Townshend Smith.
Finlay, Ernest Percival.
Hill, John
Williams, Susie Jane } equal.

Spurrier, Louise
 Sonenberg, Naphtali Henry } equal.
 Burke, Hanna Josephine
 Locke, Agnes Emily } equal.
 Herman, Joseph

Third Class (in Alphabetical Order).

Clarkson, William David.
 Dore, Albert Richard.
 Garbutt, Elsie.
 Hancock, Violette Maude.
 Lilley, Howard James.
 Melville, Theodora.
 Radcliff, Sydney.
 White, Florence May.
 Wingrove, Robert Lindsay.

The Exhibition is awarded to—

Ada May Plante.

FRENCH AND GERMAN.

First Class (in Order of Merit).

Taylor, Elsie Melicent.
 Plante, Isabella Steele.
 Legge, Herbert Sutherland.
 Mitchell, Frederica Amelia.
 Püttman, Dolores.
 Innes, Vivienne Mary Floribel } equal.
 Fitchett, Elsie Violet

Second Class (in Order of Merit).

Kellaway, Susan
 Oldham, Winifred Ethel } equal.
 Hancock, Violette Maude
 Harlin, Enid Margaret } equal.
 Daniell, Mabel Alice Gray.

Third Class.

Creber, Susanne Lizette.

The Exhibition is awarded to—

Elsie Melicent Taylor.

CHEMISTRY AND PHYSICS.

First Class.

None.

Second Class (in Order of Merit).

Noonan, John Joseph.

Aickin, James Lee.

Third Class.

McLeod, James Alexander.

PHYSIOLOGY AND BOTANY.

First Class.

Spiers, Clara Walker.

Second Class.

McKenzie, Ann Houston.

Third Class.

Hart, George Stephen.

May, 1893.

GREEK AND LATIN.

First Class.

None.

Second Class.

None.

Third Class.

Shackell, Percy Moira.

ALGEBRA, GEOMETRY, AND TRIGONOMETRY.

First Class.

None.

Second Class.

Kimlin, Eliza.

ENGLISH AND HISTORY.

First Class.

None.

Second Class (in Order of Merit).

Elrington, Hamilton Gordon.
Moloney, Denis Aloysius.

FRENCH AND GERMAN.

First Class.

None.

Second Class (in Order of Merit).

Bushman, Lillian Margaret.
Salter, Margaret Aline.

PHYSIOLOGY AND BOTANY.

First Class.

None.

Second Class.

None.

Third Class (in Alphabetical Order).

Cohn, Alice.
Cohn, Josephine.
Hazard, Nellie Louise.
Webb, Ida Helen.

III.—UNIVERSITY EXAMINATIONS.

At the Annual Examinations held during the months of October and December, 1892, the following number of candidates passed :—

First Year, one hundred and fourteen.
Second Year, one hundred.
Third Year, seventy-six.
Fourth Year, thirty-four.
Fifth Year, twenty-nine.

At the Honour Examinations held in the Fourth Term, 1892, and the First Term, 1893, Honours were awarded as follows :—

CLASS LISTS.

FIRST HONOUR EXAMINATION.

(Arts, Science, and Medicine.)

GREEK, PART I.

First Class	...	Yule, John Sandison (Ormond College).
„	...	Legge, James (Ormond College).
Second Class	...	Alston, Leonard (Trinity College).
„	...	Roberts, Francis Joseph (Ormond College).
Third Class	...	Hudspeth, Wilfrid Hugh (Trinity College).
„	...	Bevan, David John Davies (Trinity College).

LATIN, PART I.

First Class	...	Yule, John Sandison (Ormond College).	
„	...	Legge, James (Ormond College).	
Second Class	...	Alston, Leonard (Trinity College)	} equal.
„	...	Roberts, Francis Joseph (Ormond College)	
„	...	Hudspeth, Wilfrid Hugh (Trinity College)	
„	...	Hogan, Joseph	
Third Class	...	Bevan, David John Davies (Trinity College).	
„	...	Murdoch, Walter Logie Forbes (Ormond College).	

PURE MATHEMATICS, PART I.

First Class	...	None.
Second Class	...	Parker, Aubrey Hastings (Ormond College).
Third Class	...	Bevan, Louis Rhys Oxley (Trinity College).

MIXED MATHEMATICS, PART I.

First Class	...	Parker, Aubrey Hastings (Ormond College).
Second Class	...	Bevan, Louis Rhys Oxley (Trinity College).

NATURAL PHILOSOPHY, PART I.

First Class	...	Ware, Charles Coburn.
„	...	Rozenhain, Walter (Queen's College).
„	...	Parker, Aubrey Hastings (Ormond College).
Second Class	...	Bevan, Louis Rhys Oxley (Trinity College).
„	...	Kemp, Charles Herbert.
Third Class	...	Coutie, Barton Montgomerie.
„	...	Dunlop, John Wightman (Ormond College).
„	...	Andrews, Arthur Tremayne
„	...	Simpson, George Taylor
		} equal.

DEDUCTIVE LOGIC.

First Class	...	Arthur, John Andrew (Queen's College).
Second Class	...	Osborn, Andrew Rule (Queen's College).
„	...	Murdoch, Walter Logie Forbes (Ormond College).
„	...	Alston, Leonard (Trinity College).
„	...	Delmer, Harold Charles (Trinity College)
„	...	Yule, John Sandison (Ormond College)
Third Class	...	McNaughton, Josephine (Queen's College).
		} equal.

ENGLISH, PART I.

First Class	...	Arthur, John Andrew (Queen's College).
Second Class	...	Murdoch, Walter Logie Forbes (Ormond College)
„	...	Holden, John Patrick
		} equal.

- Second Class... Osborn, Andrew Rule (Queen's College).
 „ ... M'Naughton, Josephine (Queen's College).
 Third Class ... Delmer, Harold Charles (Trinity College).

CHEMISTRY, PART I.

(With Laboratory Work).

- First Class ... Rosenhain, Walter (Queen's College).
 „ ... Hughes, Frederick William } equal
 „ ... Parsons, Warren }
 Second Class... Philpott, Albert John William.
 „ ... Parker, Aubrey Hastings (Ormond College).
 Third Class ... Bull, Richard Joseph.
 „ ... Dunlop, John Wightman (Ormond College).

BIOLOGY, PART I.

(With Laboratory Work).

- First Class ... None.
 Second Class... Bull, Richard Joseph
 „ ... Philpott, Albert John William
 „ ... James, William Arthur
 „ ... Parsons, Warren
 „ ... Hughes, Frederick William.

LAWS.

ROMAN LAW, THE LAW OF PROPERTY, AND THE LAW OF OBLIGATIONS.

- First Class ... None.
 Second Class... Sanderson, William Alexander
 „ ... Clarke, John Lea.

MUSIC.

- First Class ... None.
 Second Class... None.
 Third Class ... M'Burney, Mona Margaret.

(Arts and Science.)

First Class ... Poole, Thomas Slaney (Trinity College).
Second Class... Slade, Clarence Ashel (Trinity College).
Third Class ... Munt, George Alfred (Trinity College).

First Class ... Jolley, Edward Francis George.
 „ ... Larkin, Michael Cormack.
Second Class... None.
Third Class ... Ham, Henry John.
 „ ... Ross, Alfred Ernest Jones (Trinity
 College).

First Class	... None.	
Second Class	... Elkington, George Frederick.	
"	... Barnaby, John (Ormond College)	} equal.
"	... Hewitt, Herbert (Queen's College)	
"	... Ross, Alfred Ernest Jones (Trinity College).	
"	... Healy, Francis Joseph (Trinity College).	

First Class ... Parker, Philip & Morley (Ormond College).
Second Class.. None.
Third Class ... Whyte, Ellen (Ormond College).

First Class ... McCay, Adam Cairns (Ormond College).
 „ ... Higgins, Anna (Ormond College).

First Class ... None.
Second Class... Lambert, Ada Mary (Trinity College).

(Medicine.)

JUNIOR DESCRIPTIVE AND SURGICAL ANATOMY.

First Class	...	Gamble, Ælfreda Hilda.	
"	...	White, Douglas Oakley (Trinity College).	
Second Class	...	None.	
Third Class	...	Bruce, Charles William.	
"	...	Deane, Edward Wilkinson	} equal.
"	...	Chenhall, Alfred Nicholas	
"	...	Dennis, George Ernest (Ormond College).	
"	...	MacGowan, Ernest Thorburn.	

PHYSIOLOGICAL CHEMISTRY AND HISTOLOGY AND
MATERIA MEDICA, MEDICAL BOTANY AND
ELEMENTARY THERAPEUTICS.

First Class	...	Jüttner, Frank Julius Edward.	
"	...	Deane, Edward Wilkinson	} equal.
"	...	Chenhall, Alfred Nicholas	
Second Class	...	Bruce, Charles William.	
"	...	Anderson, Thomas Lynewolde.	
"	...	Officer, Edward Albert	} equal.
"	...	White, Douglas Oakley (Trinity College)	
"	...	Graham, Edward Alfred.	
Third Class	...	MacGowan, Ernest Thorburn	} equal.
"	...	Gamble, Ælfreda Hilda	
"	...	Dennis, George Ernest (Ormond College)	

ENGINEERING.

First Class	...	None.	
Second Class	...	Gardner, Walter Everson (Ormond College).	
Third Class	...	Herman, Hyman.	
"	...	O'Connell, Daniel Joseph Patrick.	
"	...	Gay, Robert William.	
"	...	McClelland, David John.	

THIRD HONOUR EXAMINATION.

(Medicine.)

SENIOR DESCRIPTIVE AND SURGICAL ANATOMY.

First Class	...	Ritchie, Robert Henry	(Trinity College).
„	...	Green, Thomas Ernest	(Ormond College).
„	...	Lister, Harold.	
Second Class	...	Tymms, Herbert George.	
Third Class	...	Fullerton, Robert John.	

PHYSIOLOGY.

First Class	..	Tymms, Herbert George.	
„	...	Cunning, Joseph.	
Second Class	..	Ritchie, Robert Henry	(Trinity College).
„	...	Green, Thomas Ernest	(Ormond College).
„	...	Fullerton, Robert John.	
Third Class	...	Lister, Harold.	
„	...	Müller, Oscar Rudolph Percy.	
„	...	Lambert, Ada Mary	(Trinity College).

ENGINEERING.

First Class	...	None.	
Second Class	...	Rule, Edwin William	} equal.
„	...	Turnbull, Edmund George	
Third Class	...	Young, William Henry.	

FOURTH HONOUR EXAMINATION.

(Medicine.)

REGIONAL AND APPLIED ANATOMY AND PATHOLOGY.

First Class	...	Ramsay, John.	
„	...	Madden, Frank Cole.	
„	...	Mouritz, John Ruddoch.	
„	...	Dowling, Patrick Paul.	
Second Class	...	Stone, Emily Mary Page.	
„	...	Officer, David McMaster	(Ormond College).
„	...	Ashworth, Louis Naish.	
Third Class	...	Castilla, Mary Elizabeth Amy.	

THERAPEUTICS, DIETETICS, AND HYGIENE.

First Class	...	Ashworth, Louis Naish.
Second Class	...	Ramsay, John.
„	...	Officer, David McMaster (Ormond College).
„	...	Dowling, Patrick Paul.
„	...	Madden, Frank Cole.
Third Class	...	Stone, Emily Mary Page.

THIRD YEAR ARTS.

SCHOOL OF CLASSICS AND COMPARATIVE PHILOLOGY.

First Class	...	Macfarlan, James (Queen's College).
Second Class	...	Fowles, Edwin Wesley Howard (Ormond College).
„	...	Jacobs, Philip Acland (Trinity College).
Third Class	...	Rylah, Walter Robert (Trinity College).
„	...	Bevan, Hopkin Llewelyn Willett (Ormond College).

SCHOOL OF HISTORY, POLITICAL ECONOMY, AND JURISPRUDENCE.

First Class	...	Officer, Ernest.
Second Class	...	Hansford, Alfred Howard.
„	...	McLean, Robert (Ormond College).
Third Class	...	Hamilton, Charles (Ormond College).
„	...	Poynton, Edward.
„	...	Nolan, Henry (Ormond College).

SCHOOL OF LOGIC AND PHILOSOPHY.

First Class	...	Clarke, John Lea (Ormond College).
„	...	Lade, Frank (Queen's College).
„	...	Walker, Henry Kennedy McGill (Ormond College).
Second Class	...	None.
Third Class	...	Gibbs, Frederick Herbert (Trinity College).

SCHOOL OF MATHEMATICS.

First Class	..	Hemmy, Arthur Stanley (Queen's College).
Second Class	...	Baird, Adam (Ormond College).

SCHOOL OF MODERN LANGUAGES AND LITERATURE.

First Class ... Sedgfield, Walter John (Trinity College).
 „ ... Harlin, Mabel Gertrude.

SCHOOL OF NATURAL PHILOSOPHY, WITH LABORATORY WORK.

First Class ... None.
 Second Class... Eyres, Sarah Constance (Trinity College).

SCHOOL OF GEOLOGY AND PALEONTOLOGY.

First Class ... None.
 Second Class... Hughes, Frederick William.

SCHOOL OF CHEMISTRY, WITH LABORATORY WORK.

First Class ... Wilsmore, Norman Thomas Mortimer.
 „ ... MacDonald, George William.

SCHOOL OF BIOLOGY, WITH LABORATORY WORK.

First Class ... Little, Leonora Jessie (Ormond College).
 Second Class... Fiddian, James Richard (Queen's College).

SECOND YEAR LAWS.

First Class ... None.
 Second Class... Dethridge, George James (Trinity College).
 „ ... Morse, James Donald.
 „ ... Atkinson, Llewelyn.
 Third Class ... Crouch, Charles Stanton.

FIFTH YEAR MEDICINE.

MEDICINE, FORENSIC MEDICINE, AND PSYCHOLOGICAL MEDICINE.

First Class ... Morton, David Murray.
 Second Class... Harbison, David Thomas.
 „ ... Brown, Ralph Charles (Queen's College).

Third Class ...	Chenhall, William Thomas (Ormond College).	
„ ...	Pabst, Joseph Charles (Queen's College).	
„ ...	Player, Charles Richard.	
„ ...	Hawkes, John Alison	} equal.
„ ...	Weigall, Gerald Charles	
„ ...	Lyons, Martin Moylan (Ormond College).	
„ ...	Davies, William Edward	} equal.
„ ...	Long, William John	

SURGERY AND OBSTETRIC MEDICINE AND DISEASES OF WOMEN AND CHILDREN.

First Class ...	Brown, Ralph Charles (Queen's College).	
„ ...	Morton, David Murray.	
„ ...	Pabst, Joseph Charles [(Queen's College).	
„ ...	Player, Charles Richard.	
„ ...	Lyons, Martin Moylan (Ormond College).	
Second Class...	Hawkes, John Alison.	
„ ...	Chenhall, William Thomas (Ormond College).	
„ ...	Long, William John.	
„ ...	Connell, Egbert John.	
„ ...	Harbison, David Thomas.	
„ ...	Weigall, Gerald Carl.	

FOURTH YEAR ENGINEERING.

SCHOOL A.

MECHANICAL ENGINEERING, CIVIL ENGINEERING, PART II., AND HYDRAULIC ENGINEERING.

First Class ...	None.	
Second Class...	Rowed, Augustine Bithray (Trinity College)	} equal.
„ ...	Smith, Robert Neil (Trinity College)	
Third Class ...	Pullar, William Murray (Ormond College).	

SCHOOL C.

MECHANICAL ENGINEERING, CIVIL ENGINEERING, PART II., MINING AND METALLURGY.

First Class ... None.

Second Class... Smith, Robert Neil (Trinity College).

Third Class ... Rowed, Augustine Bithray (Trinity College).

EXHIBITIONS.

FIRST HONOUR EXAMINATION.

The following Exhibitions have been awarded at the First Honour Examination in ARTS, SCIENCE, MEDICINE, and ENGINEERING :—

Greek, Part I.—To John Sandison Yule (Ormond College).

Latin, Part I.—To John Sandison Yule (Ormond College).

Pure Mathematics, Part I.—To Aubrey Hastings Parker (Ormond College).

Mixed Mathematics, Part I.—To Aubrey Hastings Parker (Ormond College).

Natural Philosophy, Part I.—To Charles Coburn Ware.

Deductive Logic.—To John Andrew Arthur (Queen's College).

English, Part I.—To John Andrew Arthur (Queen's College).

Chemistry, Part I. (with Laboratory work) —To Walter Rosenhain.

Biology, Part I. (with Laboratory work).—To Richard Joseph Bull.

SECOND HONOUR EXAMINATION.

The following Exhibitions have been awarded at the Second Honour Examination in ARTS and SCIENCE :—

Classics and Comparative Philology.—To Thomas Slaney Poole (Trinity College).

History and Jurisprudence.—To Edward Francis George Jolley.

Logic and Philosophy.—To George Frederick Elkington.

Mathematics and Natural Philosophy, Part II.
(including Laboratory work).—To Philip
à Morley Parker (Ormond College).
Modern Languages.—To Adam Cairns McKay
(Ormond College).
Biology, Part II. (including Laboratory work), and
Physiology.—To Ada Mary Lambert (Trinity
College).

SECOND YEAR ENGINEERING.

To Walter Everton Gardner (Ormond College).

THIRD YEAR ENGINEERING.

To Edwin William Rule
Edmund George Turnbull } equal.

SECOND YEAR MEDICINE.

Junior Descriptive and Surgical Anatomy.—To
Ælfreda Hilda Gamble.
Physiological Chemistry and Histology and Materia
Medica, Medical Botany, and Elementary Thera-
peutics.—To Frank Julius Edward Jüttner.

THIRD YEAR MEDICINE.

Senior Descriptive and Surgical Anatomy.—To
Robert Henry Ritchie (Trinity College).
Physiology.—To Herbert George Tymms.

FOURTH YEAR MEDICINE.

Regional and Applied Anatomy and Pathology.—
To John Ramsay.
Therapeutics, Dietetics, and Hygiene.—To Louis
Naish Ashworth.

FIRST YEAR LAWS.

Roman Law.—To William Alexander Sanderson.
The Law of Property and the Law of Obligations.—
To William Alexander Sanderson.

FIRST YEAR MUSIC.

For performing on the Pianoforte and for excellence
in the subjects of the Examination for the first
year.—
To Mona Margaret McBurney.

PRIZES.

The following Students have obtained Prizes in the subjects under which their names appear, being the Subjects of the SECOND YEAR in ARTS, SCIENCE, and ENGINEERING, and of the THIRD YEAR ENGINEERING :—

Greek, Part II.—

Thomas Slaney Poole (Trinity College).

Latin, Part II.—

Thomas Slaney Poole (Trinity College).

Comparative Philology—

Thomas Slaney Poole (Trinity College).

Ancient History—

Edward Francis George Jolley.

History of the British Empire, Part I.—

Edward Francis George Jolley.

Inductive Logic—

George Frederick Elkington.

Mental Philosophy—

Herbert Hewitt (Queen's College).

Pure Mathematics, Part II.—

Philip & Morley Parker (Ormond College).

Mixed Mathematics, Part II.—

Philip & Morley Parker (Ormond College).

Natural Philosophy, Part II. (with Laboratory work)—

Philip & Morley Parker (Ormond College).

English, Part II.—

Adam Cairns McCay (Ormond College).

French—

Anna Higgins (Ormond College).

German—

Anna Higgins (Ormond College).

Jurisprudence—

Michael Cormack Larkin.

Physical Geology and Mineralogy—

David John McClelland.

Biology, Part II. (including Laboratory Work)—

Ada Mary Lambert.

Physiology—

Ada Mary Lambert.

Surveying, Levelling, Mensuration, and Drawing—

Walter Everson Gardner (Ormond College).

Advanced Surveying—

Edwin William Rule.

Mechanical Drawing and Descriptive Geometry—

Robert Ernest Lowe.

Applied Mechanics—

Edmund George Turnbull } equal.
William Henry Young }

Civil Engineering, Part I.—

Edmund George Turnbull.

Drawing and Quantity Surveying—

Edwin William Rule.

WYSELASKIE SCHOLARSHIP. — The Wyselaskie

Scholarship in Mathematics is awarded to—

Arthur Stanley Hemmy (Queen's College).

THE PROFESSOR WILSON PRIZE.—The Professor

Wilson Prize in Mathematics and Natural

Philosophy is awarded to—

Philip & Morley Parker (Ormond College).

SCHOLARSHIPS.

SCHOOL OF CLASSICS AND COMPARATIVE PHILOLOGY.

Awarded to James Macfarlan (Queen's College).

SCHOOL OF HISTORY, POLITICAL ECONOMY, AND
JURISPRUDENCE.

Awarded to Ernest Officer.

SCHOOL OF LOGIC AND PHILOSOPHY.

Awarded to John Lea Clarke (Ormond College).

SCHOOL OF MATHEMATICS.

Awarded to Arthur Stanley Hemmy (Queen's College).

SCHOOL OF MODERN LANGUAGES AND LITERATURE.

Awarded to Mabel Gertrude Harlin.

NOTE.—Mr. W. J. Sedgfield, who was placed First in the Class List, was ineligible to compete for the Scholarship under Section 12 of Chapter IV. of the Regulations.

SCHOOL OF NATURAL PHILOSOPHY, WITH LABORATORY
WORK.

Awarded to Sarah Constance Eyres.

SCHOOL OF GEOLOGY AND PALEONTOLOGY.

Awarded to Frederick William Hughes.

SCHOOL OF CHEMISTRY, WITH LABORATORY WORK.

Awarded to George William Macdonald.

NOTE.—Mr. N. T. M. Wilsmore, who was placed First in the Class List was ineligible to compete for the Scholarship under Section 19 of Chapter VII. of the Regulations.

SCHOOL OF BIOLOGY, WITH LABORATORY WORK.

Awarded to Leonora Jessie Little (Ormond College).

SECOND YEAR LAWS.

Awarded to George James Dethridge (Trinity College).

FIFTH YEAR MEDICINE.**MEDICINE, FORENSIC MEDICINE, AND PSYCHOLOGICAL MEDICINE.**

Awarded to David Murray Morton.

SURGERY AND OBSTETRIC MEDICINE, AND DISEASES OF WOMEN AND CHILDREN.

Awarded to Ralph Charles Brown (Queen's College).

FOURTH YEAR ENGINEERING.

The *Argus* Scholarship awarded to Robert Neil Smith (Trinity College).

THE W. T. MOLLISON SCHOLARSHIP IN ITALIAN.

Awarded to Mabel Gertrude Harlin.

THE PROFESSOR KERNOT SCHOLARSHIP IN NATURAL PHILOSOPHY.

Awarded to Arthur Stanley Hemmy (Queen's College).

THE BEANEY SCHOLARSHIP IN SURGERY.

Awarded to Ralph Charles Brown (Queen's College).

THE BEANEY SCHOLARSHIP IN PATHOLOGY.

Awarded to John Alison Hawkes.

IV.—DEGREES CONFERRED.

On the 14th November, 1892, the following Degrees were conferred :—

Bachelor of Arts.

Lewis John Balfour (*in absentia*).
Sarah Alice Corr.
Charles Christopher Cutter.
Adele Ellis.
Arthur Edward Grabham.
Flora Rosenhain.

Ad eundem.

Stuart Stephenson (Oxford).

Master of Arts.

Francis Isaac Grey.
Stuart Stephenson.

Bachelor of Laws.

Charles Stanton Crouch.
Frederick Thomas Hickford.

Bachelor of Medicine.

George William Armstrong.
Edgar Alfred Barrett.
John Box.
William Thomas Chenhall.
Alfred Cowan.
William Edward Davies.
Julian Gilbert Desailly.
David Thomas Harbison.
John Alison Hawkes.
William John Long.
Martin Moylan Lyons.
David Murray Morton.
Joseph Charles Pabst.
Hannah Mary Helen Sexton.
Edward Alfred Strahan.
Gerald Carl Weigall.
Thomas Alexander Wilson.

Doctor of Medicine.

William Perrin Norris.

Bachelor of Surgery.

Edgar Alfred Barrett.
Charles Richard Player.
Hannah Mary Helen Sexton.

On the 23rd December, 1892, the following degrees were conferred :—

Bachelor of Arts.

Arthur Astley.
Walter Murray Buntine.
Hamilton Clarke.
William Cooper.
John Coutts.
John William Griffiths.
John Fullarton MacKeddie.
James Whiteside McCay.

Ad eundem.

William Gilbert à'Beckett (Cambridge).
Kenneth John Mackinnon (Cambridge).

Bachelor of Laws.

Hamilton Clarke.
Spencer Edward Holroyd.
James McConnell Kerr.
John Legge.
James Donald Morse.

Ad eundem.

William Gilbert à'Beckett (Cambridge).

Master of Laws.

Littleton Ernest Groom (*in absentia*).

Bachelor of Medicine.

Stuart Letcher Angwin.
Ralph Charles Brown.
Thomas William Brown.
Egbert John Connell.
William Davis.
Frank Ernest Littlewood.
James Charles Morton.
David Murdoch.
Elizabeth Alice Maude O'Hara.
Victor Joseph Emanuel Zichy-Woinarski.

Bachelor of Surgery.

Thomas William Brown.
David Murdoch.
Margaret Whyte.

Bachelor of Civil Engineering.

Charles Sydney Graham (*in absentia*).
William Murray Pullar.
Joseph Richard Richardson.

On the 18th March, 1893, the following degrees were conferred :—

Bachelor of Arts.

Hopkin Llewelyn Willett Bevan.
Austin Graham Brown.
Richard Edmond Courtney.
Herbert Crowther.
Louisa McPherson Day.
Joseph Dew.
Edwin Wesley Howard Fowles.
Frederick Herbert Gibbs.
Margaret Mabel Goddard.
Mabel Gertrude Harlin.
Philip Acland Jacobs.
Adam John Pettigrew Macdonnell (*in absentia*).
James Macfarlan.
John Joseph Peart.
Walter Robert Rylah.
James Edward Sheehan.
Henry Kennedy McGill Walker.
William Wright.

Master of Arts.

Sara Dixon.
John Arthur Campbell-Firth.
George Henry Freeman.
Benjamin Green.
Isobel Janet Macdonald.
John Henry Osborne.
Charles Neeld Salter.
Julia Hannah Young.

Ad eundem.

Andrew Boyd (Royal University, Ireland).
Curtis Crowther Plante (University of New Zealand).

Bachelor of Science.

James Rowland Fiddian.
Leonora Jessie Little.
George William MacDonald.

Master of Science.

Norman Thomas Mortimer Wilsmore.

Bachelor of Laws.

Edmund La Touche Armstrong.
Llewelyn Atkinson.
George James Dethridge.
Melbourne George Griffin Fox.

Doctor of Laws.

Edwin Mayhew Brissenden (*in absentia*).

Doctor of Medicine.

Thomas Cherry.

Bachelor of Surgery.

John Box.
Ralph Charles Brown.
William Thomas Chenhall.
Alfred Cowen.
William Edward Davies.
William John Long.

Martin Moylan Lyons.
David Murray Morton.
James Charles Morton.
Elizabeth Alice Maude O'Hara.
Joseph Charles Pabst.
Gerald Carl Weigall.
Thomas Alexander Wilson.

Bachelor of Civil Engineering.

Herbert Crowther.
Henry Alan Currie.
Charles James Grant.
Francis Isaac Grey.
Arthur Livingstone Johnson.
Arthur Robertson Morrison.
Augustine Bithray Rowed.

Master of Civil Engineering.

Thomas Ewing.
Neil McQueen.
John Monash.
Calder Edkins Oliver.
Horace Patrick Robertson.
William Percy Steane.
Herbert Walter Leyster Tisdall.

V.—STATUTES AND REGULATIONS.

Alterations have been made in the following Statutes and Regulations :—

(a) *Statutes No. IV.*—" *The Faculties.*"

An addition to Section 4, providing for the immediate election of a Dean in the event of a casual vacancy.

(b) *Statutes No. XXI.*—" *Admission ad eundem.*"

An alteration in the statute whereby certain courses and degrees of a University may be recognized instead of the University itself.

(c) *Regulations No. I.—“The Matriculation Examination.”*

(1) An alteration in the details of the Botany Examination.

(2) An alteration in the age for the matriculation of students from 15 to 16 years.

(d) *Regulations No. II.—“Lectures.”*

Alterations in the fees in the departments of Music and Pathology.

(e) *Regulations No. XIV.—“The Degrees of Bachelor of Medicine and Bachelor of Surgery.”*

An alteration in Section 11, requiring the attendance of Fourth Year students on a practical course of Pathological Histology and on a course of Elementary Practical Bacteriology.

(f) *Regulations No. XXII.—“Graduates Proceeding to other Degrees.”*

(1) An alteration in Section 1, requiring that Bachelors of Arts candidates for the Degrees of Bachelor of Medicine and Bachelor of Surgery shall pass the Preliminary Examination for students in Medicine.

(2) A new clause giving students in Science further facilities for becoming students in Medicine.

(g) *Regulations No. XXXVI.—“Academic Dress.”*

An addition to Section 2, relating to the Academic dress of a Master of Science.

(h) *Regulations No. XXXVII.—“The Beaney Scholarships in Surgery and in Pathology.”*

Provisions for the foundation and endowment of the above scholarships.

These Statutes and Regulations are set out in full in the Appendix to this Report.

VI.—DEATH OF DR. ROBERTSON.

Dr. Robertson, who was a member of Council in July, 1885, and re-elected in August, 1890, died on the 21st January, 1893.

In recognition of the esteem in which the deceased gentleman was held, the following resolution was passed :—

“That the Council desire to record their deep regret at the death of James Robertson, Esq., M.A., M.D., late councillor of the University, and for seventeen years Lecturer on Medicine in the University Medical School, to express their high appreciation of his services, and to tender their warmest sympathy and condolence to his family in their sad bereavement.”

VII.—COUNCIL ELECTIONS.

Chancellor and Vice-Chancellor.

Sir Anthony Colling Brownless, K.C.M.G., M.D., LL.D., and the Hon. Sir John Madden, LL.D., were, on the 1st May, 1893, re-elected Chancellor and Vice-Chancellor respectively.

Members.

- (a) Robert Murray Smith, C.M.G., was re-elected on the 9th December, 1892.
- (b) James Jackson, M.D., was elected on the 21st January, 1893, in the place of the late Dr. James Robertson.
- (c) Sir Henry John Wrixon, K.C.M.G., M.A., was elected on the 5th April, 1893, in the place of Mr. Justice Hodges, who resigned on the 4th March, 1893.
- (d) John Grice, B.A., LL.B., was re-elected on the 25th May, 1893.

VIII.—APPOINTMENT OF LECTURERS.

On the 5th December, 1892, all the Lecturers and Demonstrators were appointed to their respective offices for the year 1893.

On the 10th April, 1893, Thomas Cherry, M.D., was appointed Assistant Lecturer and Demonstrator in Pathology.

IX.—APPOINTMENT OF ASSISTANT DEMONSTRATORS IN ANATOMY.

The following gentlemen were appointed :—Francis Henry Langlands, M.B., B.S., F.R.C.S. ; Robert Hamilton Russell, F.R.C.S. ; Wilfred Kent Hughes, M.B., M.R.C.S.

X.—APPOINTMENT OF EXAMINERS.

In the month of July, 1893, Examiners were appointed for the Matriculation and Annual Examinations to be held in the Examination Term, 1893, and the First Term, 1894.

XI.—TERCENTENARY OF THE UNIVERSITY OF DUBLIN.

Professor Tucker, M.A., Litt. D., who was appointed a Delegate to represent this University at the celebration of the Tercentenary of the Dublin University, duly attended on the occasion. He was received with the highest consideration, and had conferred on him the degree of Doctor of Literature, an honour specially distinguished by the fact that he was the only representative of any university in the British colonies, or in any part of the British empire outside of the United Kingdom, who received an honorary degree.

XII.—MILITARY CADETSHIP.

On the 5th September, 1892, the Council nominated Thomas Caradoc Rose Price to a cadetship at the Royal Military College, Sandhurst.

XIII.—DIXSON BEQUEST.

Since the publication of the last report the application for probate of the will of the late Mr. Robert Dixon has been granted, a compromise having been agreed to between the caveators and the University, by which the latter are to receive about £10,000 from the estate. The Council has received, as an instalment, the sum of £7,000, which has been invested in Victorian Government bonds.

XIV.—BEANEY BEQUEST.

In consequence of the bequest to the Mayor of Canterbury having been declared by the Supreme Court to be illegal, the University, as one of the residuary legatees, is entitled to receive a further sum from the estate of the late Dr. Beane.

XV.—REDUCTION IN THE GOVERNMENT GRANT.

In the financial year 1891-2 the addition to the Endowment of £9,000, under Act 16 Victoria, No. 34, was £8,250. In 1892-3 it was £5,750, being a reduction of £2,500.

A similar reduction was made in the vote for Fittings, Furniture and Fencing, making a total reduction of £5,000.

XVI.—ACCOUNTS.

A statement showing the income and expenditure is appended.

I have the honor to be,

Your Excellency's most obedient servant,

ANTHONY COLLING BROWNLESS,
Chancellor.

THE UNIVERSITY OF MELBOURNE.

We certify that the statements of the accounts of the University of Melbourne for the year 1892, together with the supporting vouchers, have been examined and found correct. The balances of the several accounts are as follow :—

	£	s.	d.	£	s.	d.	£	s.	d.
General Fund—									
Queensland Government Debenture, 4 per cent., due 1913	100	0	0						
Cash balance	2,343	0	8						
Amount due from Kernot Fund	41	7	8						
				2,484	8	4			
Amount due to other Funds .. .. .	..	..	..	267	13	0			
							2,216	15	4
Shakespeare Scholarship Fund—									
Fixed deposit receipt, 5 per cent., due 1st April, 1893	..	..	..	143	19	8			
Fixed deposit receipt, 4½ per cent., due 2nd October, 1893	..	..	..	1,434	12	0			
							1,578	11	8
Howitt Scholarship Fund—									
Fixed deposit receipt, 4½ per cent., due 29th December, 1893	..	..	..	1,729	4	7			
Cash balance .. .. .	..	..	..	9	15	0			
							1,738	19	7
Great Hall Building Fund—									
Fixed deposit receipt, 5 per cent., due 30th March, 1893	..	..	..	..	..	..	80	14	11
Engineering Scholarship Fund—									
Fixed deposit receipt, 5 per cent., due 1st April, 1893	..	..	..	165	18	0			
Fixed deposit receipt, 4½ per cent., due 16th December, 1893	..	..	..	1,450	19	1			
							1,616	17	1
Stawell Exhibition Fund—									
Amount lent on mortgage	..	..	..	800	0	0			
Cash balance .. .. .	..	..	..	43	0	2			
							843	0	2
Carried forward .. .. .	..	..	..	..	..	..	8,074	18	9

	£	s.	d.	£	s.	d.	£	s.	d.	
Brought forward	8,074	18	9	
Wyseaskie Scholarship Fund—										
Victorian Government Stock, 4 per cent.	10,501	0	0	
Fixed deposit receipt, $\frac{1}{4}$ per cent., due 18th October, 1893	890	3	5	
Amount due from General Fund	210	0	4	
Dr. Balance	11,601	3	9	
							0	3	3	
Professor Kernot Scholarship Fund—							11,601	0	6	
Fixed deposit receipt, 5 per cent., due 1st April, 1897	2,517	2	3	
Amount due to General Fund	41	7	8	
Dr. balance	2	5	8	
							43	13	4	
Ormond Chair of Music—							2,473	8	11	
Amount lent on mortgage	20,000	0	0	
Fixed deposit receipt, 5 per cent., due 4th January, 1893	4,688	9	11	
Fixed deposit receipt, 5 per cent., due 13th February, 1893	886	2	3	
Amount due from General Fund	47	12	8	
							25,622	4	10	
Dr. Balance	27	9	9	
							25,594	15	1	
Chemical Laboratory Building Fund—										
Cash balance	880	1	11
Hastie Bequest—										
Victorian Government Stock, 4 per cent.	19,140	0	0
Professor Wilson Memorial Fund—										
Fixed deposit receipt, $\frac{1}{4}$ per cent., due 25th November, 1893	150	0	0	
Dr. balance	4	14	6	
							145	5	6	
Carried forward	67,889	10	8	

ANNUAL STATEMENT OF ACCOUNTS for the period ending 31st January, 1893.

[illegible]

[illegible]

**STATEMENT OF ACCOUNT OF THE GENERAL INVESTMENT FUND, for the
January, 1893.**

RECEIPTS.		£	s.	d.	EXPENDITURE.		£	s.	d.
1892. March 16.	Amount of Fixed Deposit Receipt lodged in Bank of Victoria for 12 months at 4 per cent. .. Interest thereon ..	1,035 41	0 8	7 0		Mar. 16. Amount of Fixed Deposit Receipt lodged in Bank of Victoria for 6 months at 3 per cent. ..	1,076	8	7
April 8.	Amount of Fixed Deposit Receipt lodged in Bank of Victoria for 12 months at 4 per cent. .. Interest thereon ..	2,000 100	0 0	0 0		June 24. Amount of Fixed Deposit Receipt transferred to Current Account ..	2,100	0	0
Sept 16.	Amount of Fixed Deposit Receipt lodged in Bank of Victoria for 6 months at 3 per cent. .. Interest thereon ..	1,076 18	8 16	7 7		Sept. 16. Amount of Fixed Deposit Receipt transferred to Current Account ..	1,695	5	2
May 27.	Amount of Fixed Deposit Receipt lodged in Bank of Victoria for 12 months at 4½ per cent. .. Interest thereon ..	3,000 53	0 10	0 0		Dec. 14. Amount of Fixed Deposit Receipt transferred to Current Account ..	3,052	10	0
							7,324	8	9

STATEMENT OF ACCOUNT OF the HOWITT SCHOLARSHIP FUND, from 1st January to 31st December, 1892.

RECEIPTS.	£ s. d.	EXPENDITURE.	£ s. d.	£ s. d.
1892.		1892.		
Dec. 29. Amount of Fixed Deposit Receipt lodged in Bank of Victoria for 12 months at 5 per cent. ..	1,664 17 1	Jan. 1. Balance from 1891 ..	0 3 2	
Interest thereon ..	88 4 0	July 21. Amount paid to W. Ker-shaw for Cleaning Collection ..	9 15 0	
Sept. 5. Interest charged in excess on overdraft ..	..	Dec. 29. Amount of Fixed Deposit Receipt lodged in Bank of Victoria for 12 months at 4½ per cent. ..	1,729 4 7	
		Dec. 30. Interest on Overdraft ..	0 5 4	
		Dec. 31. By Balance ..	9 15 0	
				1,749 3 1

MEMO.—Payments for Cleaning Collection will be discontinued after 1892.

STATEMENT OF ACCOUNT OF the GREAT HALL BUILDING FUND, from 1st January to 31st December, 1892.

RECEIPTS.	£ s. d.	EXPENDITURE.	£ s. d.
1892.		1892.	
Jan. 1. Balance from 1891 ..	80 14 11	Mar. 30. Amount of Fixed Deposit Receipt lodged in Bank of Victoria for 12 months at 5 per cent. ..	80 14 11

*STATEMENT OF ACCOUNT OF the ENGINEERING SCHOLARSHIP FUND, from 1st January to 31st
December, 1892.*

RECEIPTS.	£ s. d.	EXPENDITURE.	£ s. d.
1892.		1892.	
April 1. Amount of Fixed Deposit Receipt lodged in Bank of Victoria for 12 months at 5 per cent.	158 0 0	April 1. Amount of Fixed Deposit Receipt lodged in Bank of Victoria for 12 months at 5 per cent.	165 18 0
Interest thereon ..	7 18 0	Dec. 15. Amount of Fixed Deposit Receipt lodged in Bank of Victoria for 12 months at 4½ per cent. ..	1,450 19 1
Dec. 15. Amount of Fixed Deposit Receipt lodged in Bank of Victoria for 12 months at 5 per cent.	1,381 18 1		
Interest thereon ..	69 1 0		
	1,450 19 1		
	<u>1,616 17 1</u>		<u>1,616 17 1</u>

STATEMENT OF ACCOUNT OF the STAWELL EXHIBITION FUND, from 1st January to 31st December, 1892.

RECEIPTS.	EXPENDITURE.
1892.	1892.
Jan. 1. Balance from 1891	April 4. Amount paid to scholar, F. J. Grey, being Scholarship for the year 1892
Amount received for Interest on Mortgage of £800	Dec. 31. To Balance
£ s. d.	£ s. d.
66 0 2	75 0 0
52 0 0	43 0 2
118 0 2	118 0 2

STATEMENT OF ACCOUNT OF the BIOLOGICAL BUILDING FUND,
From 1st January to 31st December, 1892.

RECEIPTS.	EXPENDITURE.
1892.	1892.
June 25. Amount received from Government for Fittings	Jan. 1. Balance from 1891
1,000 0 0	McIntosh Bros. (Fittings) Amount paid to Con- tractors, J. Rose and Co., on account of Contract for Fittings (£601)
	Amount paid to Contrac- tors, Murray and Crow, on account of Contract for Fittings (£230)
	Architect's Commission
	Interest on Overdraft
1,000 0 0	Dec. 31. By Balance
	698 3 5
	10 14 7
	27 6 0
	1,000 0 0

STATEMENT OF ACCOUNT of the CHEMICAL LABORATORY BUILDING FUND from 1st January to 31st December, 1892.

1892.	RECEIPTS.	£ s. d.	1892. EXPENDITURE.	£ s. d.	£ s. d.
Jan. 1.	Balance from 1891 ..	703 12 5	Amount paid to Contractor, W. Fly, on account of Contract for Fittings (£495) ..	450 0 0	
June 25.	Amount received from Government for Fittings ..	1,000 0 0	Amount of J. Knowlson's Contract for Plumbing ..	226 4 10	
			Murray and Crow (Fittings) ..	81 6 7	
			M'Intosh Bros. ..	£0 13 0	
			Sundry Accounts ..	12 9 7	
			Architects' Commission ..	22 16 6	
			Dec. 31. By Balance ..	..	843 10 6
		1,703 12 5			860 1 11
					1,703 12 5

STATEMENT OF ACCOUNT of the HASTIE BEQUEST, from 1st January to 31st December, 1892.

1892.	RECEIPTS.	£ s. d.	1892. EXPENDITURE.	£ s. d.
Jan. 1.	Balance from 1891 ..	3,062 8 0	Dec. 31. To Balance, being the amount paid to General Fund to date ..	3,828 0 0
	Interest on Government Stock (£19,140) paid to General Fund ..	765 12 0		
		3,828 0 0		3,828 0 0

*STATEMENT OF ACCOUNT OF the NATURAL PHILOSOPHY BUILDING FUND, from 1st January to
31st December, 1892.*

RECEIPTS.	£ s. d.	EXPENDITURE.	£ s. d.	£ s. d.
1892.		1892.		
Jan. 1. Balance from 1891 ..	..	Amount paid to Contractors, McIntosh Bros., for erection of New Laboratory, being balance of Contract (£4,663)	3,463 0 0	
Amount of Fixed Deposit Receipt lodged in Bank of Victoria for 3 months at 3 per cent. ..	1,000 0 0	Extras on do do	237 0 0	
Interest thereon ..	7 10 0	Wilson and Corben, for Gas Fittings	40 10 0	
To Balance .. ..	..	Clerk of Works	109 0 0	
		Interest on Overdraft	38 6 5	
				3,887 16 5
				3,887 16 5

STATEMENT OF ACCOUNT of the BOWEN PRIZE FUND, from 1st January to 31st December, 1892.

1892.	RECEIPTS.	£ s. d.	EXPENDITURE.		£ s. d.
			1892.	Dec. 31. To Balance	
Jan. 1.	To Balance from 1891	10 0 0	.. ..	..	14 0 0
July 2.	To Interest on Government Stock (£100) to April, 1892	4 0 0			
		14 0 0			14 0 0

MEMO.—Bank Balance, £4; due from General Fund, £10.

STATEMENT OF ACCOUNT of the BEANEY SCHOLARSHIP FUND, from 1st January to 31st December, 1892.

1892.	RECEIPTS.	£ s. d.	EXPENDITURE.		£ s. d.
			1892.	Amount of Fixed Deposit Receipt lodged through General Fund in Bank of Victoria for 12 months at 5 per cent.	
Jan. 1.	Balance from 1891	2,000 0 0		.. ..	2,000 0 0
		2,000 0 0			2,000 0 0

APPENDIX.

STATUTES AND REGULATIONS.

(a) Alteration in Statutes No. IV., "The Faculties."
—"That the following words be added to Section 4 (Calendar 1893, page 103), viz. :—'If no election take place during the last term of any particular year, or if there be a casual vacancy, the election shall take place as soon as practicable, and the Professor elected shall hold office until the usual election during the last term of the year.'"

(b) Amendments in Statutes No. XXI., "Admission *ad eundem* :"—(Calendar, 1893, pages 129 and 130).

In Section 1, omit the words "recognized by the University of Melbourne," and insert the words "*which Course this University thinks fit to recognize.*"

In Section 4, omit the words "recognized by the University of Melbourne," and insert instead the words, "*which Degrees this University thinks fit to recognize.*"

In Section 4, omit the word "equivalent," and insert instead the word "*corresponding.*"

(c) Alteration in Regulations No. I., "The Matriculation Examination."—That Regulations No. I., Division II., Section 2 (Calendar, 1893, page 150), be amended by leaving out all the words under the heading "(14) Botany," and inserting instead the following :—

"PASS WORK.—The Structure and Life History of the following types :—(1) *Protococcus* ; (2) a Mould, such as *Mucor* ; (3) *Spirogyra* ; (4) a Fern, such as *Pteris* ; (5) an Angiosperm, such as *Vicia*.

"The Characteristic Features and Distribution of the following Natural Orders :—(1) *Ranunculaceæ*, (2) *Cruciferae*, (3) *Leguminosæ*, (4) *Myrtaceæ*, (5) *Umbelliferae*, (6) *Proteaceæ*, (7) *Compositæ*, (8) *Labiatae*, (9) *Epacridæ*, (10) *Liliaceæ*, (11) *Gramineæ*.

"The Structure of the Vegetable Cell and various Forms of Vegetable Tissue. The Elementary Physiology of Plants. The Principal Modifications of Roots, Stems, Leaves, Flowers, and Fruits.

"**ADDITIONAL FOR HONOURS.**—The Structure and Life History of the following types:—(1) *Bacillus*, (2) *Saccharomyces* (3) *Marchantia*, (4) *Pinus*.

"The Characteristic Features and Distribution of the following Natural Orders:—(1) *Dilleniaceæ*, (2) *Droseraceæ*, (3) *Rutaceæ*, (4) *Euphorbiaceæ*, (5) *Casuarinaceæ*, (6) *Salsolaceæ*, (7) *Santalaceæ*, (8) *Rubiaceæ*, (9) *Candolleaceæ*, (10) *Goodeniaceæ*, (11) *Orchidaceæ*, (12) *Cyperaceæ*.

"In both Pass and Honour Work the drawing of rough sketches, illustrative of answers, will be required."

(d) Alteration in Regulations No. I., "The Matriculation Examination."—That in Sections 4 and 5 of Division IV. (Calendar 1893, page 154) the word "sixteen" be substituted for "fifteen" wherever the latter occurs.

(e) Alteration in Regulations No. II., "Lectures."—In Division II., Section 5 (Calendar 1893, at the bottom of page 160), add the following words, viz. :—"In the event of any professional or other skilled musician attending the Orchestral Class, by the permission or at the request of the Professor of Music, no fee in such cases shall be demanded for such attendance."

(f) In Regulations No. II., "Lectures," Division II. (Calendar, 1893, page 162), omit the subsection entitled "Department of Pathology," and insert instead the following subsection :—

"Department of Pathology."

"Pathology, a course of lectures ...	£6 6 0
"Pathological Histology, a course of Practical Work during one Term (two afternoons a week) ...	3 3 0
"Bacteriology, a course of Elementary Practical Work (twice a week during five weeks) ...	2 2 0

"For original research, carried on with the consent and under the direction of the Professor, the Laboratories will be open gratis, except as regards such payment for material and special attendance as may be considered necessary by the Professor."

(g) In Regulations No. XIV., "The Degrees of Bachelor of Medicine and Bachelor of Surgery," Section 11. (Calendar, 1893, page 198), add after the word "*terms*" in subsection (4) the words:

"Shall attend a practical course of Pathological Histology twice a week during the Second Term. Shall attend the course of Elementary Practical Bacteriology twice a week during five weeks."

(h) In Regulations No. XXII., "Graduates proceeding to other Degrees," Section 1 (Calendar, 1893, page 219), insert after the word "*have*" the following words:

"At some Matriculation Examination, or other University Examination, passed in the subjects prescribed in Section 2 of Regulations No. XIII. (Calendar, 1893, page 194), and have—"

(i) Alteration in Regulations No. XXII., "Graduates proceeding to other Degrees:"—In Section 1 (Calendar, 1893, page 219), omit the words "Bachelor of Science." Enact a new Section, 1A, "Candidates for the Degrees of Bachelor of Medicine or Bachelor of Surgery who have fulfilled the conditions for admission to the Degree of Bachelor of Science, or have completed the first and second years of the course for that Degree, may proceed with the fourth year of the course for the Degrees of Bachelor of Medicine and Bachelor of Surgery, provided that they have at any time and in any order attended lectures and passed examinations in all the subjects prescribed for the first, second, and third years, and satisfied the other requirements specified in Sections 2, 5, and 8 of Regulation XIV."

(j) Regulation No. XXXVI., "Academic Dress" (Calendar, 1893, page 255), Section 2, altered by the addition after

“(d) For Masters of Laws, of black cloth lined with red cloth,”

Of the words

“(e) For Masters of Science, of black silk, lined with moss-green silk.”

(k) Regulations No. XXXVII., “The Beaney Scholarships in Surgery and in Pathology :”

“Whereas James George Beaney, late of Melbourne, Esquire, Doctor of Medicine, has, by his last will and testament, bequeathed to the University of Melbourne the sum of £1,000 for the foundation of a Scholarship in Surgery and the sum of £1,000 for the foundation of a Scholarship in Pathology, it is hereby provided as follows :

- “1. That the said sums of £1,000 each shall form separate endowments for two Scholarships, to be called the Beaney Scholarship in Surgery and the Beaney Scholarship in Pathology.
- “2. The said sums shall be separately invested, and each Scholarship shall consist of the annual interest of the corresponding sum of £1,000 and the interest of accumulations, if any, thereof.
- “3. Each Scholarship shall be open for competition annually, and shall be tenable for one year, provided that if at any examination no candidate be adjudged worthy of any such Scholarship the interest accruing for the said year shall be added to the capital sum of the corresponding Scholarship.
- “4. These Scholarships shall be open for competition at the Fifth Honour Examination for the Degrees of Bachelor of Medicine and Bachelor of Surgery, and all students may compete to whom the said Honour Examination is open.
- “5. The Examination for the Beaney Scholarship in Surgery shall include questions in Surgery, a commentary on one or more cases, a Clinical Examination, and Practical Surgery with operations on the dead subject, provided that no candidate will be admitted to the Clinical



Examination or to the Examination in Practical Surgery who has not attained first or second class standard in the first part of the Examination.

- “6. The Examination for the Beaney Scholarship in Pathology shall include questions in Pathology, Demonstrations of Pathological Preparations, and Practical Work in Pathological Histology and Bacteriology.”
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Honours.—Æschylus, <i>Prometheus Vincetus</i> (Cambridge Text)	...	1s 6d
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<i>Goodwin's Greek Grammar for Schools</i>	...	3s 6d
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The works named in italics are not prescribed by the University, but are books suitable for the study of the subject.

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